

Fig. 1

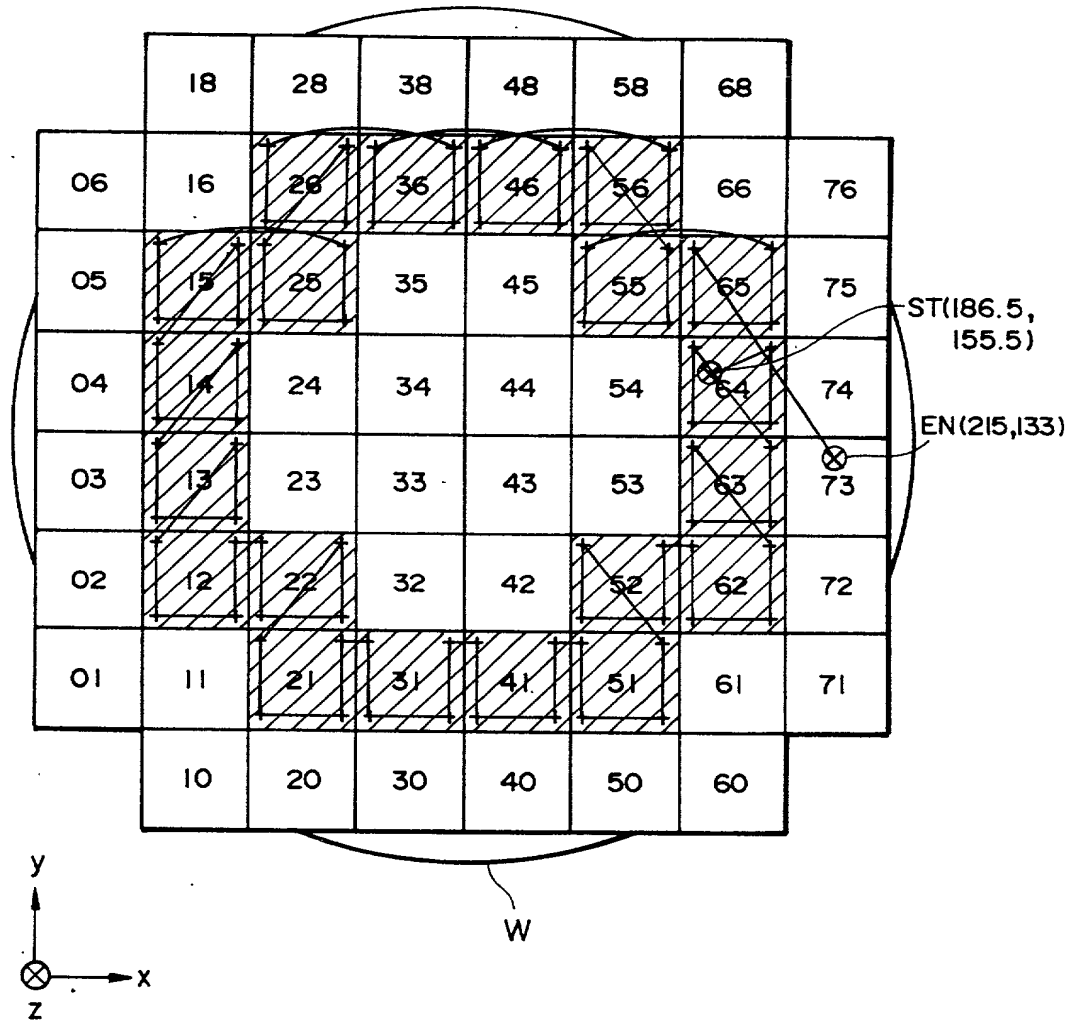


Fig.2

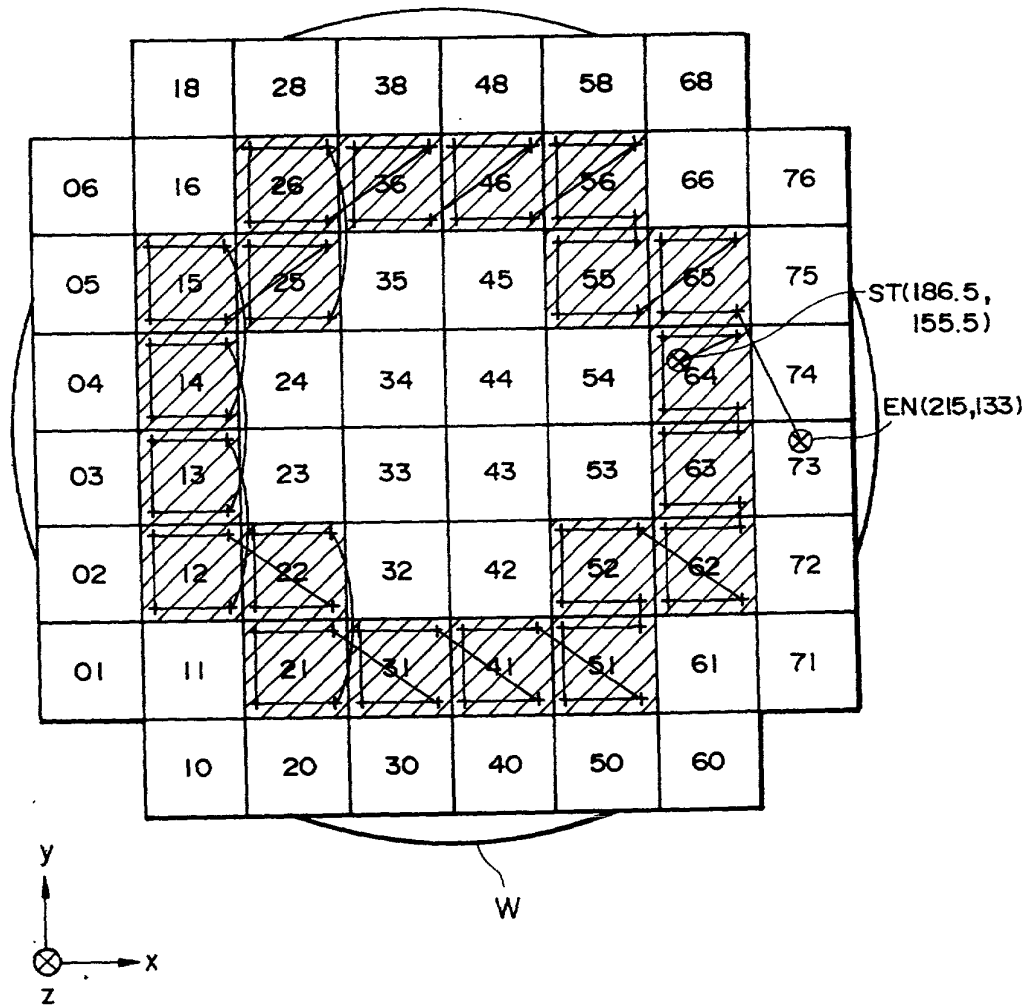


TABLE 20: 5T000000

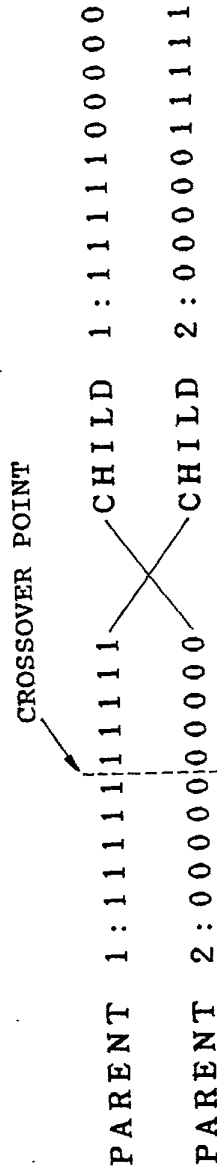


Fig.3

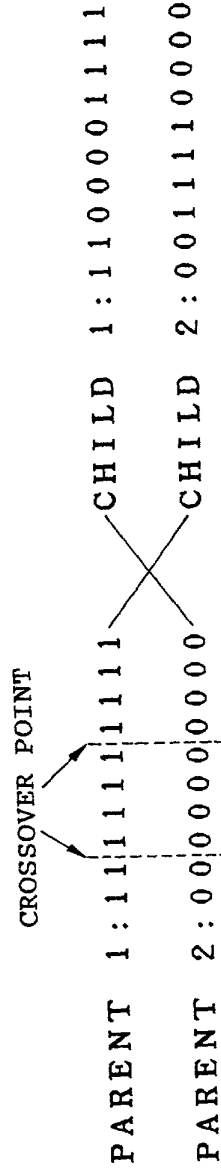


Fig.4

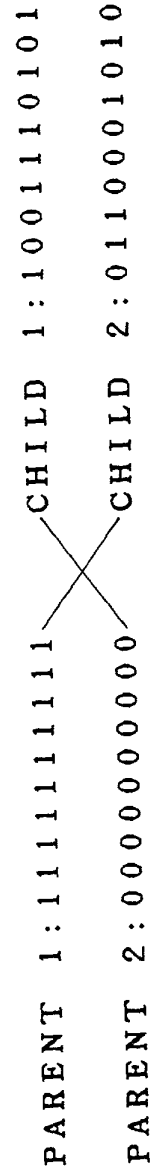


Fig.5

Fig. 6

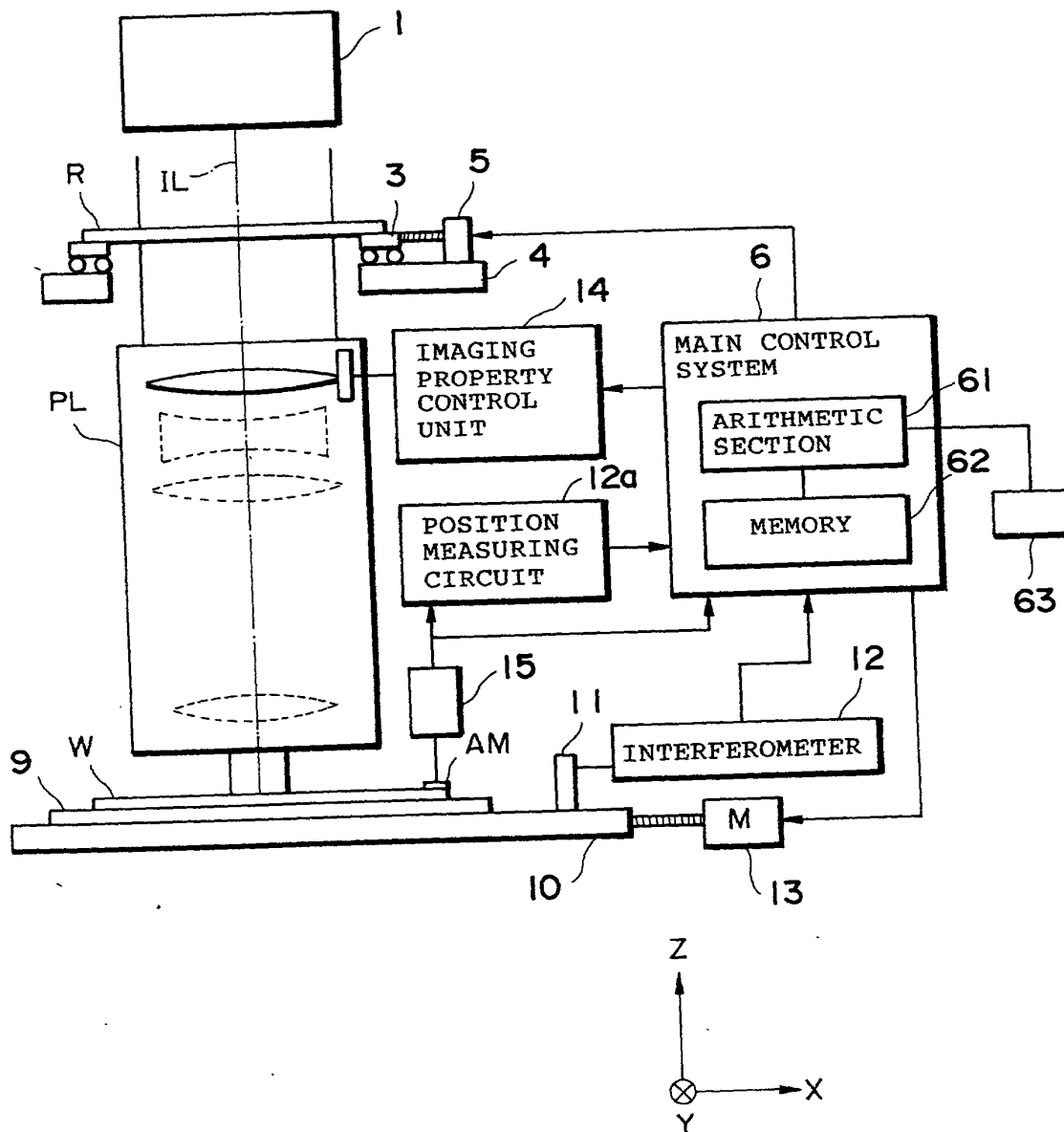


Fig. 7

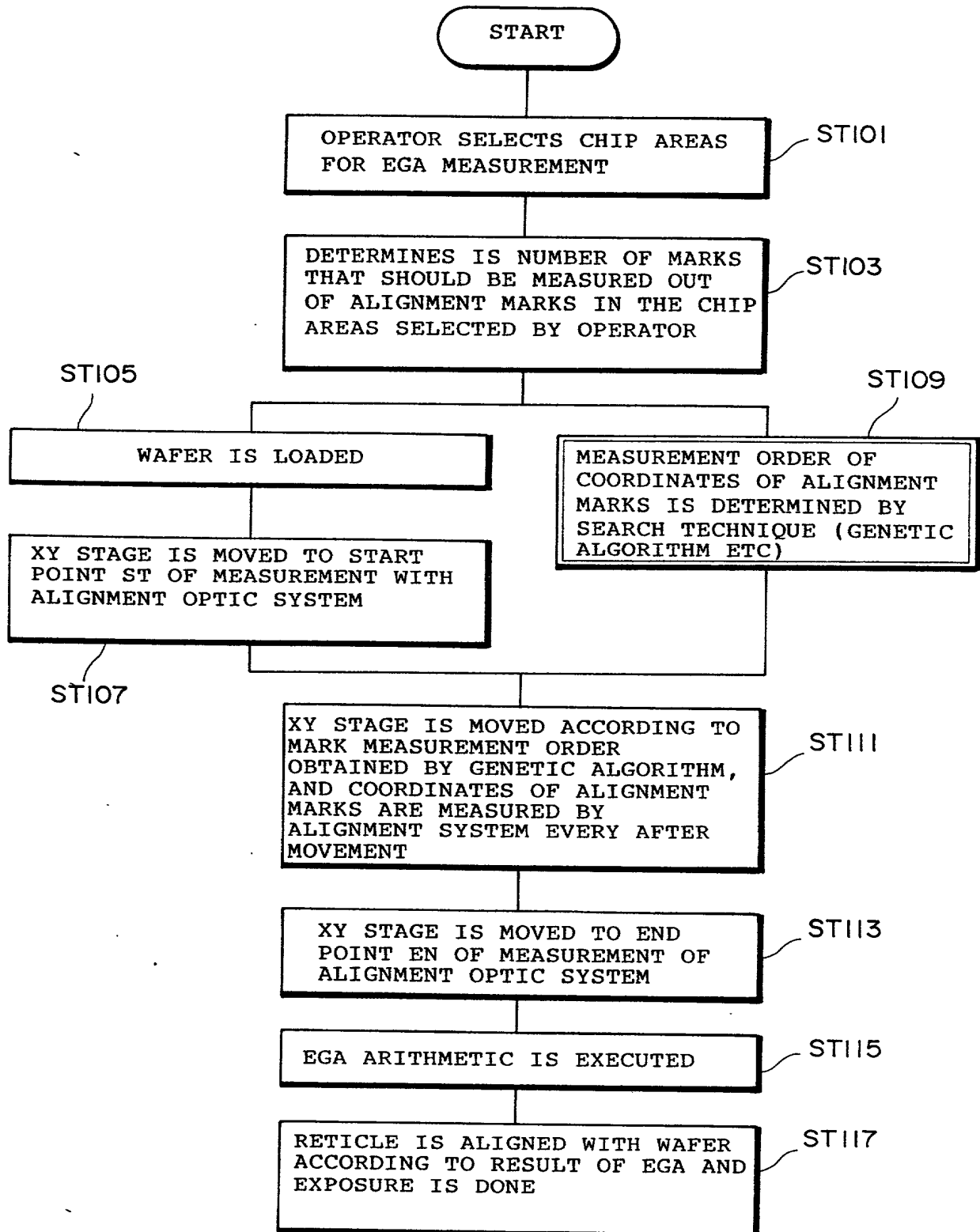


FIG. 7

Fig.8

ATTRIBUTE		VALUE OF PARAMETER SET IN EMBODIMENT
START POINT ST	X	186.5 (mm)
	Y	155.5 (mm)
END POINT EN	X	215 (mm)
	Y	133 (mm)
ACCELERATION OF WAFER STAGE 10	X	0.34 g
	Y	0.2 g
MAX SPEED OF WAFER STAGE 10	X	270 (mm/sec)
	Y	200 (mm/sec)
SETTLING TIME OF WAFER STAGE		0.032 (sec)
TIME NECESSARY FOR MEASURING COORDINATES OF ONE ALIGNMENT MARK		0.5 (sec)

g:ACCELERATION OF GRAVITY (=9.80m/sec)

Fig.9

CHIP AREA	COORDINATES OF CENTER	CHIP AREA	COORDINATES OF CENTER
12	(83, 105)	41	(149, 83)
13	(83, 127)	46	(149, 193)
14	(83, 149)	51	(171, 83)
15	(83, 171)	52	(171, 105)
21	(105, 83)	55	(171, 171)
22	(105, 105)	56	(171, 193)
25	(105, 171)	62	(193, 105)
26	(105, 193)	63	(193, 127)
31	(127, 83)	64	(193, 149)
36	(127, 193)	65	(193, 171)

TABLE 9-1000000

START	12(1)	12(2)	12(3)	12(4)	13(1)	13(2)
12(1)	0.378296	X	0.109449	0.132981	0.142	0.142
12(2)	0.45237	X	0.132981	0.132981	0.142	0.142
12(3)	0.45237	0.132981	X	0.109449	0.242	0.242
12(4)	0.378296	0.132981	0.109449	X	0.242	0.242
13(1)	0.378296	0.142	0.242	0.242	X	0.109449
13(2)	0.45237	0.142	0.242	0.242	0.109449	X
...
64(3)	0.123721	0.36533	0.439407	0.365333	0.365333	0.439407
64(4)	0.123721	0.439407	0.513481	0.439407	0.439407	0.513481
65(1)	0.1595	0.439407	0.513481	0.462	0.439407	0.513481
65(2)	0.1595	0.36533	0.439407	0.462	0.365333	0.439407
65(3)	0.084955	0.36533	0.439407	0.365333	0.365333	0.439407
65(4)	0.102346	0.439407	0.513481	0.439407	0.439407	0.513481
END	X	0.483852	0.557926	0.483852	0.483852	0.557926

64(3)	64(4)	65(1)	65(2)	65(3)	65(4)
0.365333	0.439407	0.439407	0.365333	0.365333	0.439407
0.439407	0.513481	0.513481	0.439407	0.439407	0.513481
0.439407	0.513481	0.513481	0.462	0.439407	0.513481
0.365333	0.439407	0.462	0.462	0.365333	0.439407
0.365333	0.439407	0.439407	0.365333	0.365333	0.439407
0.439407	0.513481	0.513481	0.439407	0.439407	0.513481
...
X	0.109449	0.242	0.242	0.142	0.142
0.109449	X	0.242	0.242	0.142	0.142
0.242	0.242	X	0.109449	0.132981	0.132981
0.242	0.242	0.109449	X	0.132981	0.132981
0.142	0.142	0.132981	0.132981	X	0.109449
0.142	0.142	0.132981	0.132981	0.109449	X
0.150519	0.091992	0.272	0.272	0.172	0.172

Fig. 10

Fig. 11

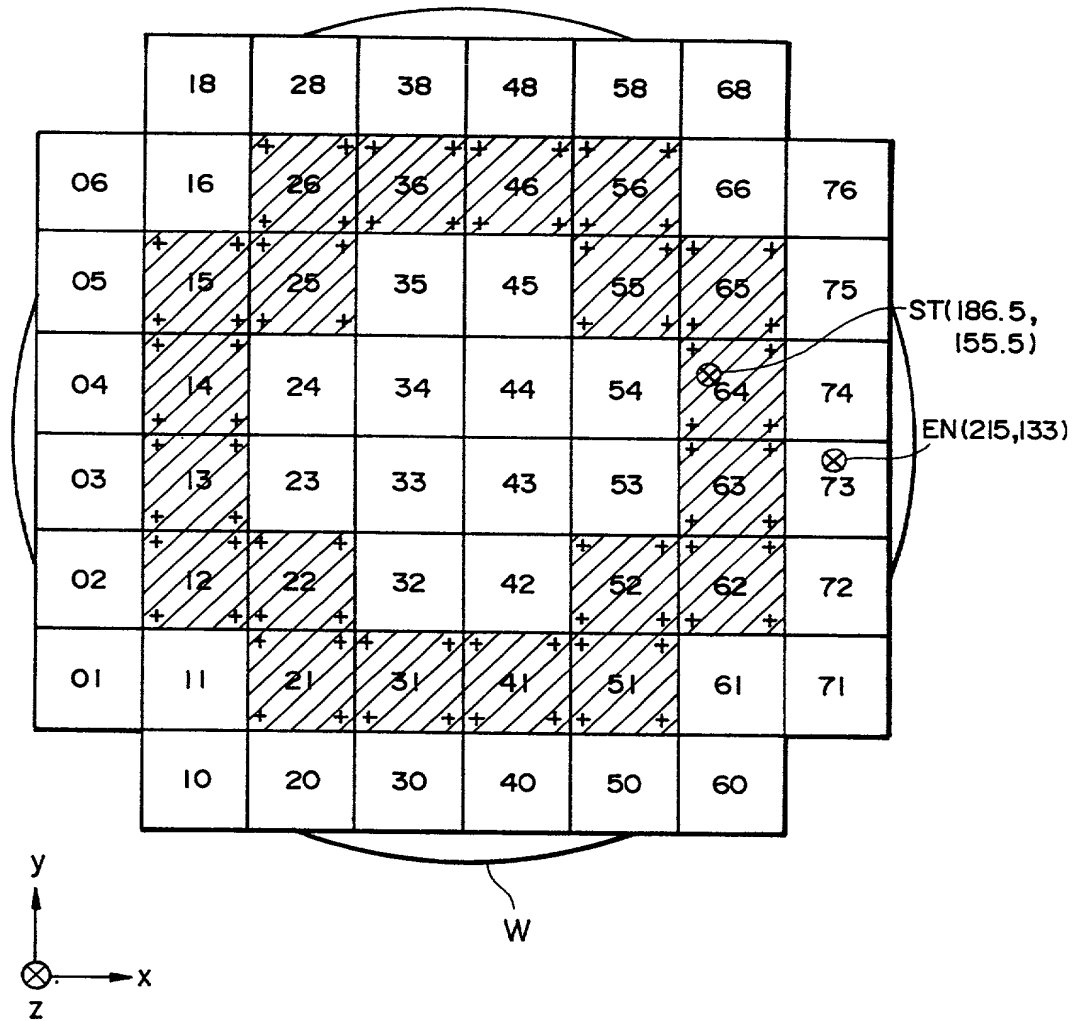


Fig. 12

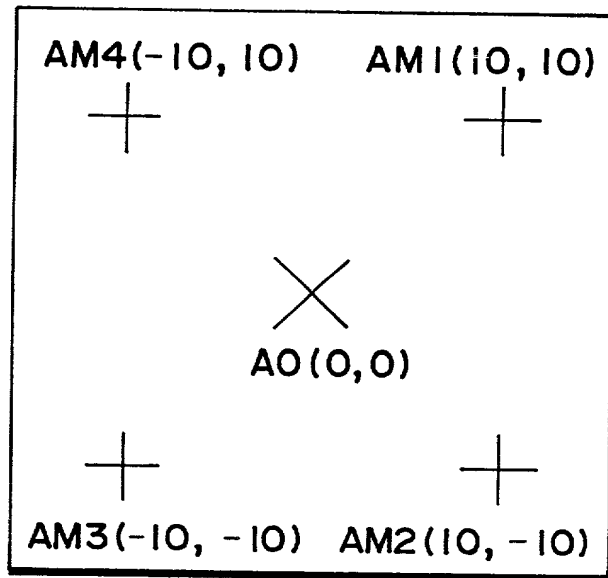


Fig. 13

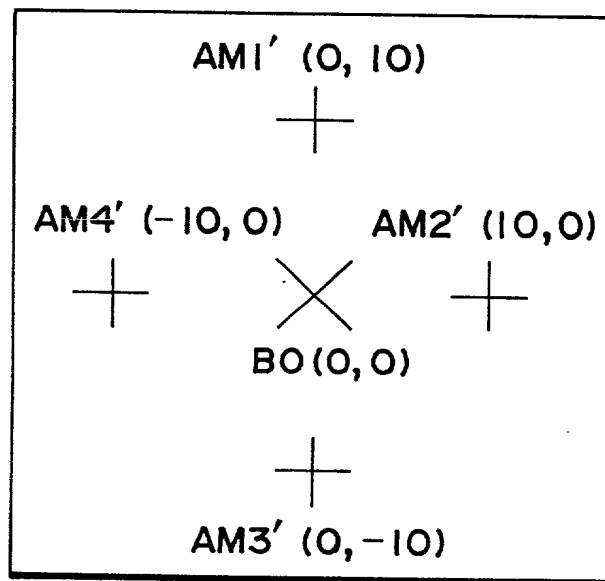


Fig. 14

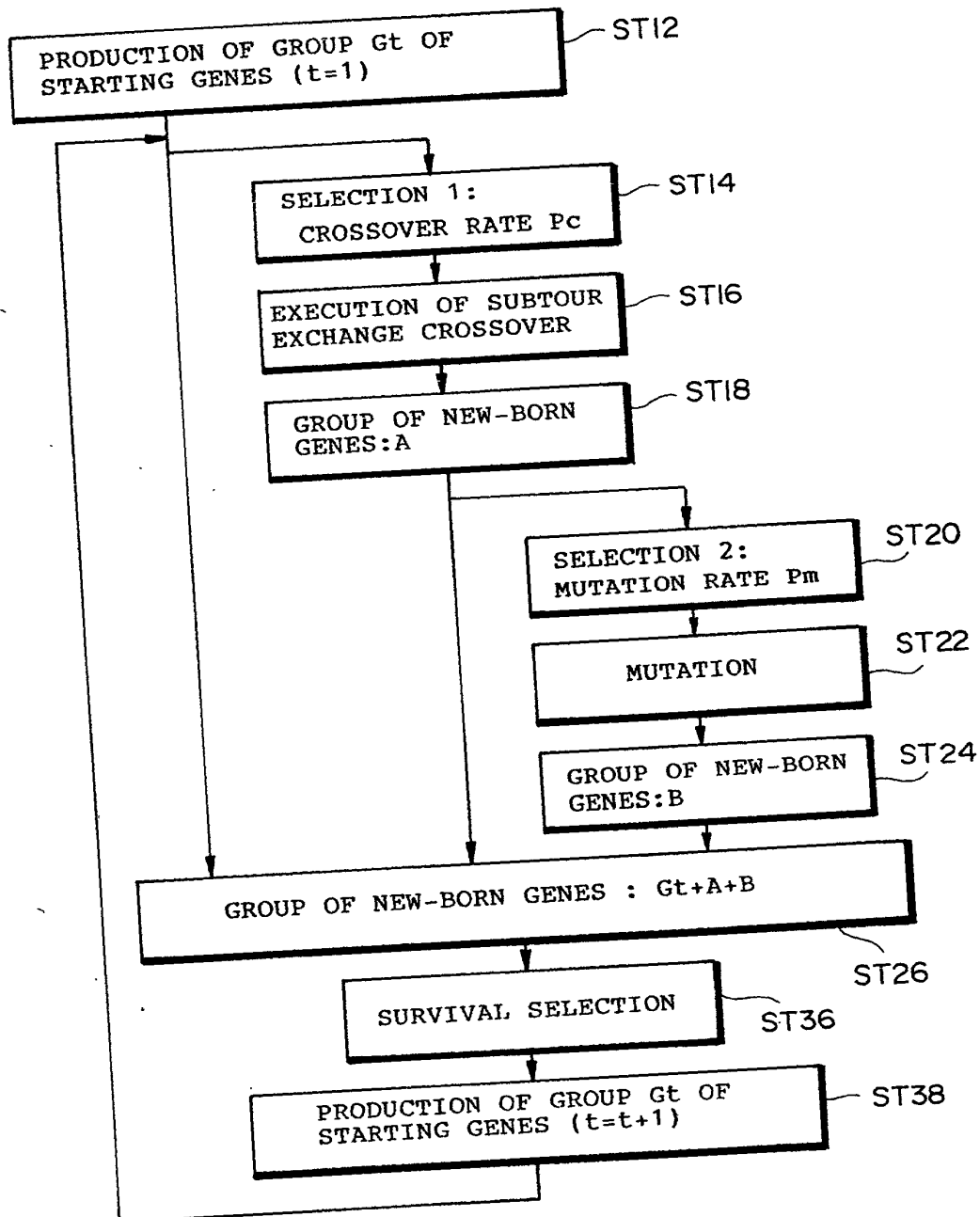


Fig. 15

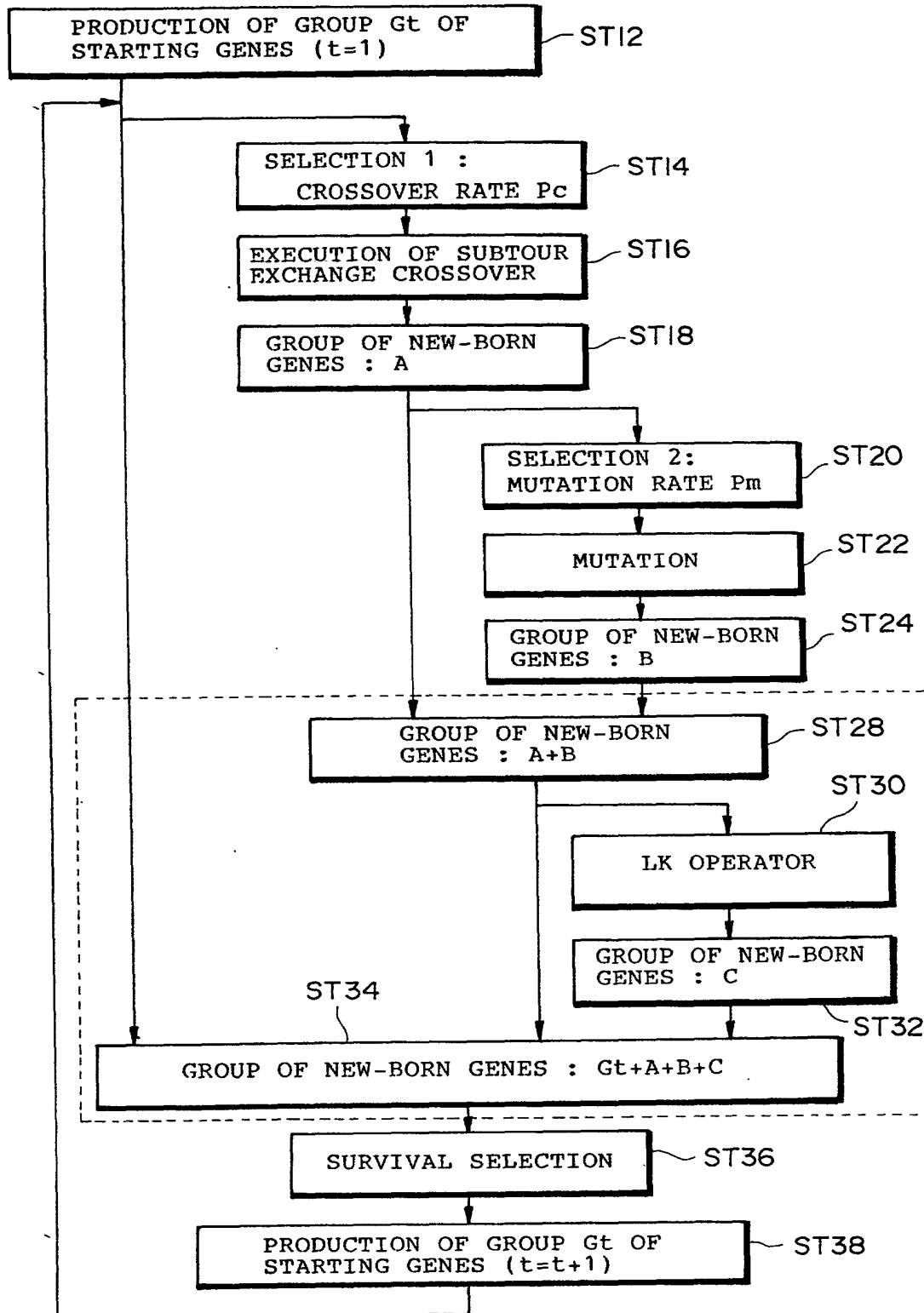
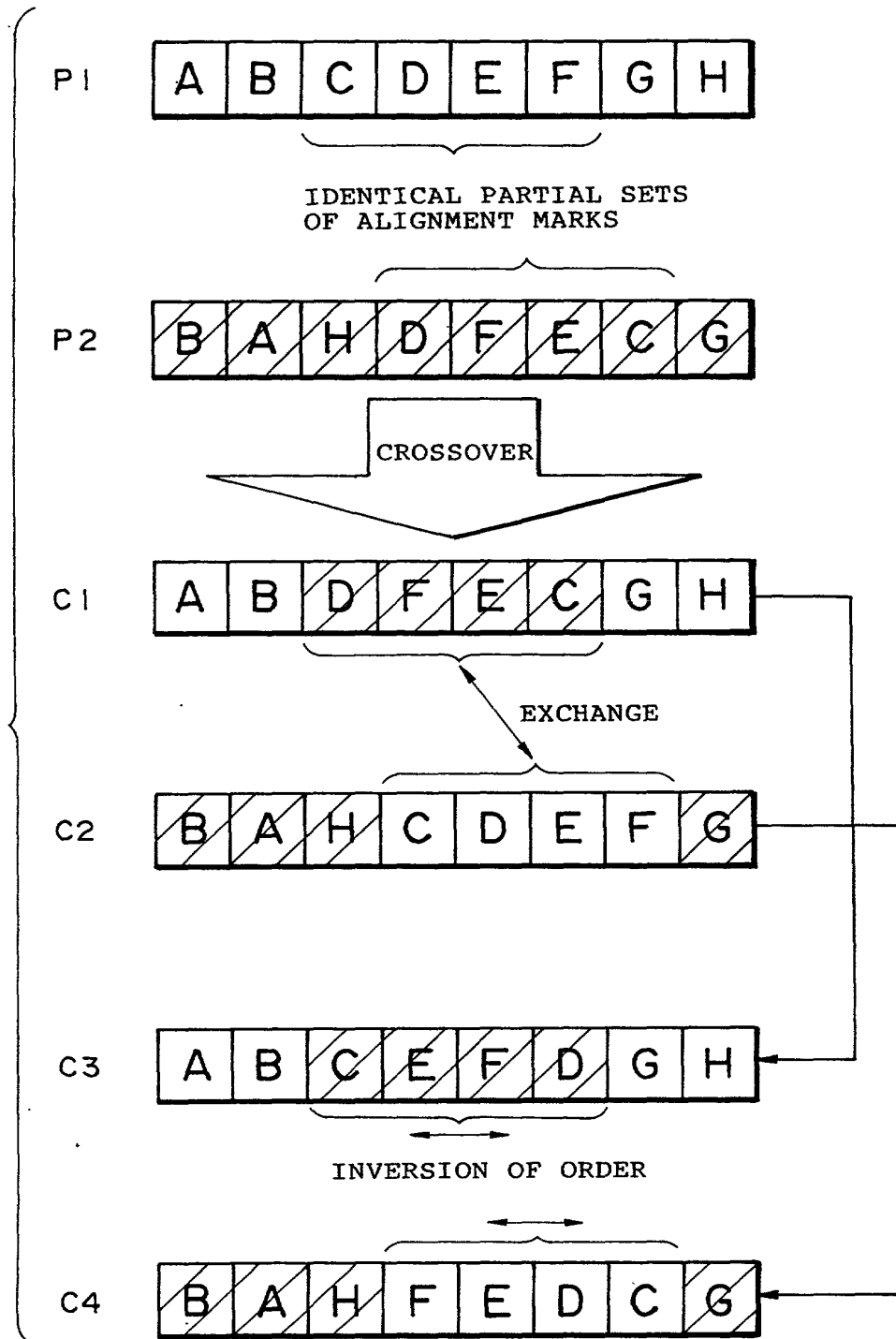


Fig. 16



200005-2000060

Fig. 17

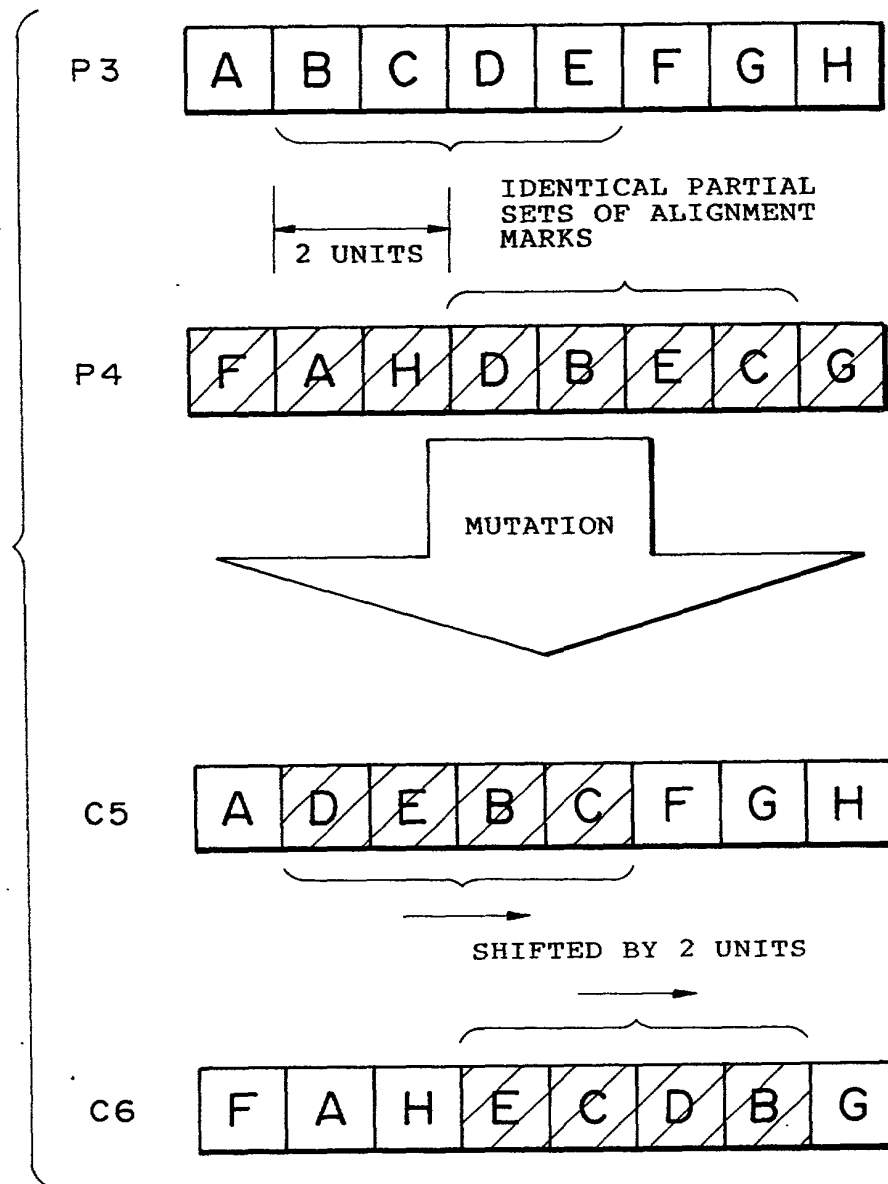


FIG. 17

Fig. 18

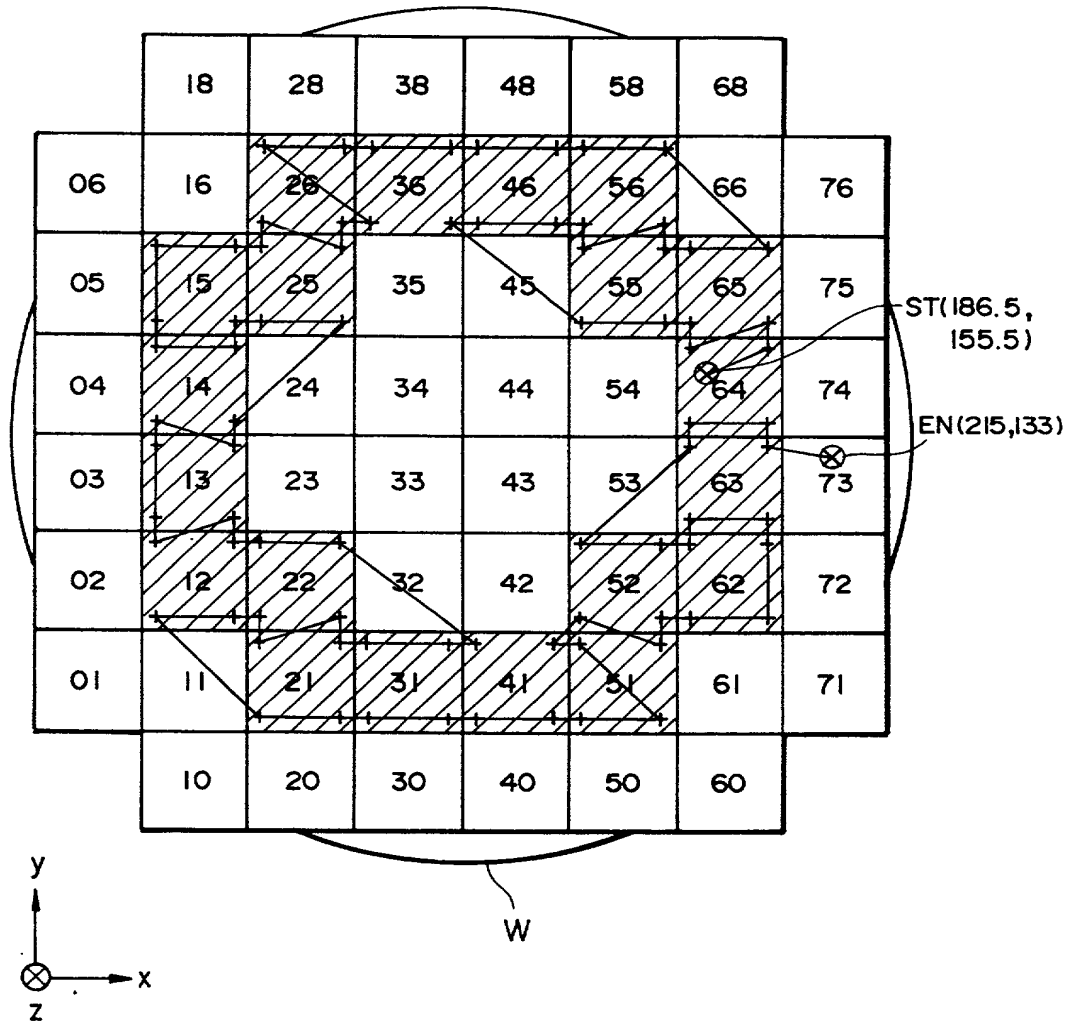
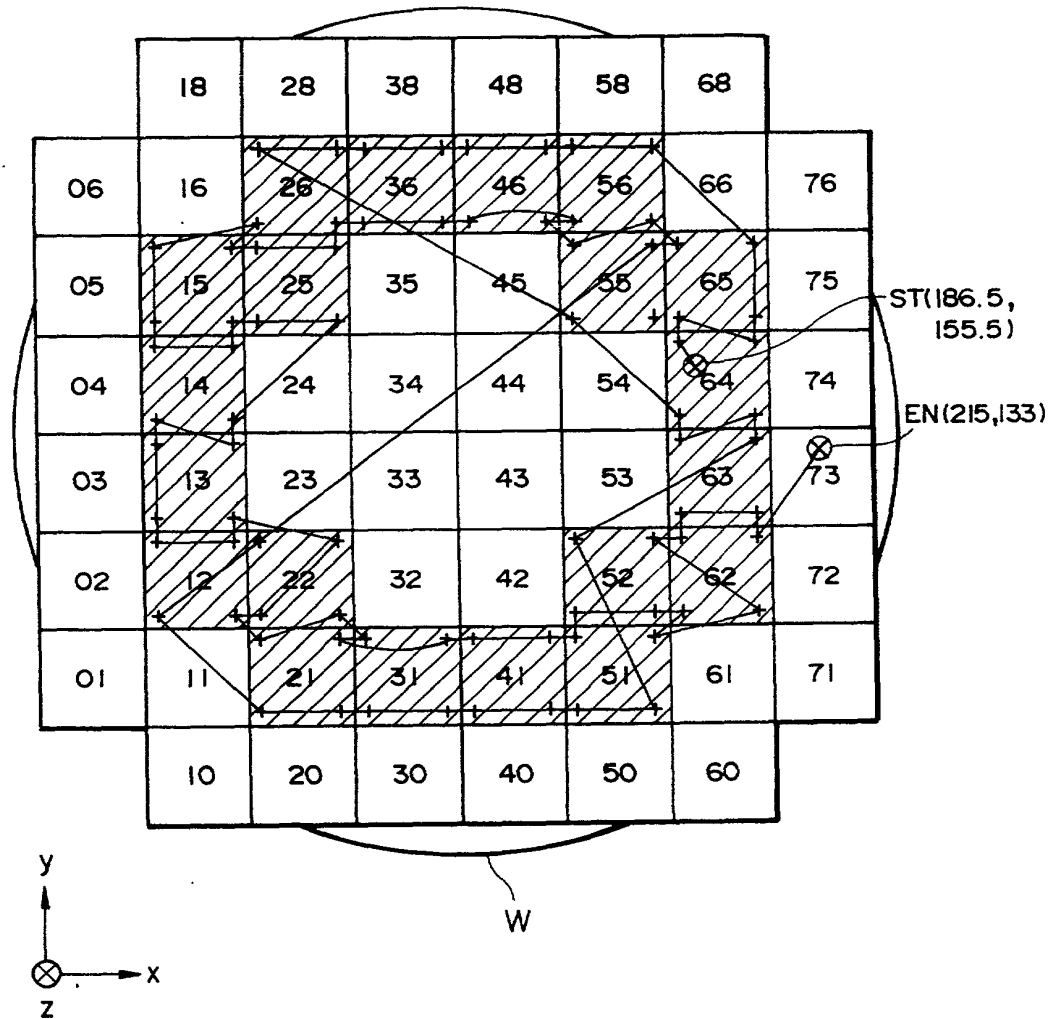


Fig. 19



10002051000000

Fig.20

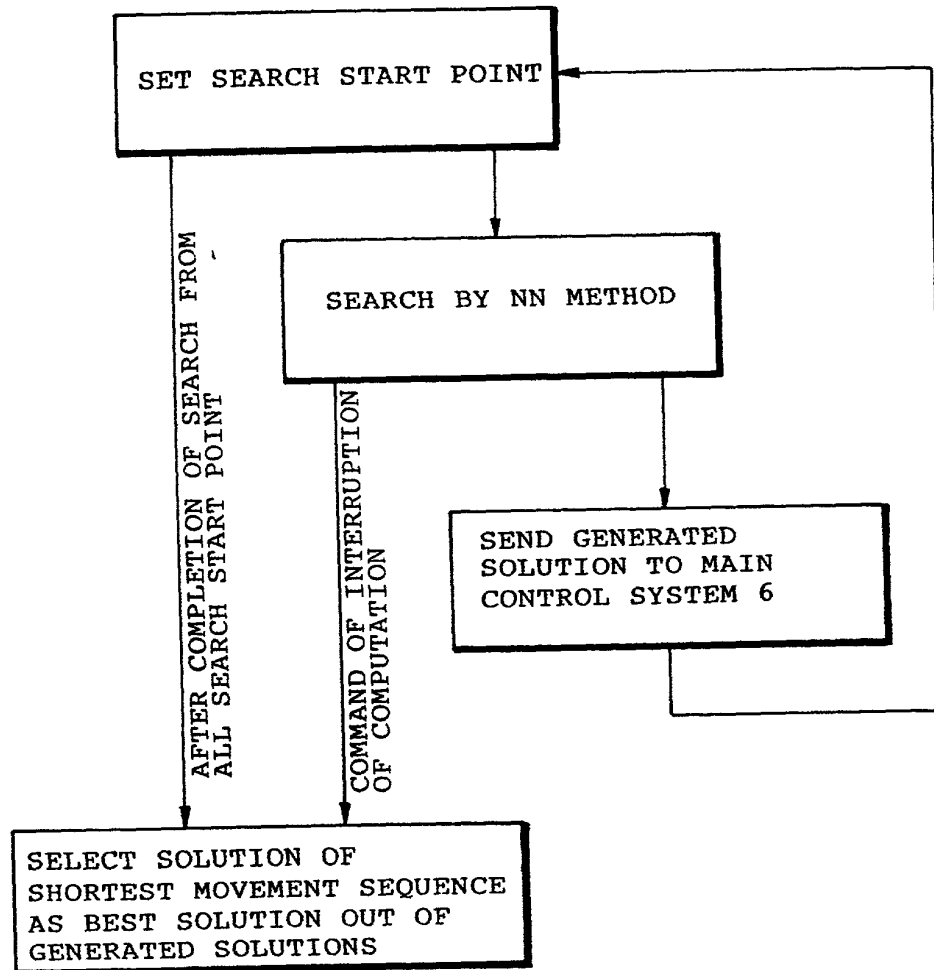


FIG. 20

Fig.21

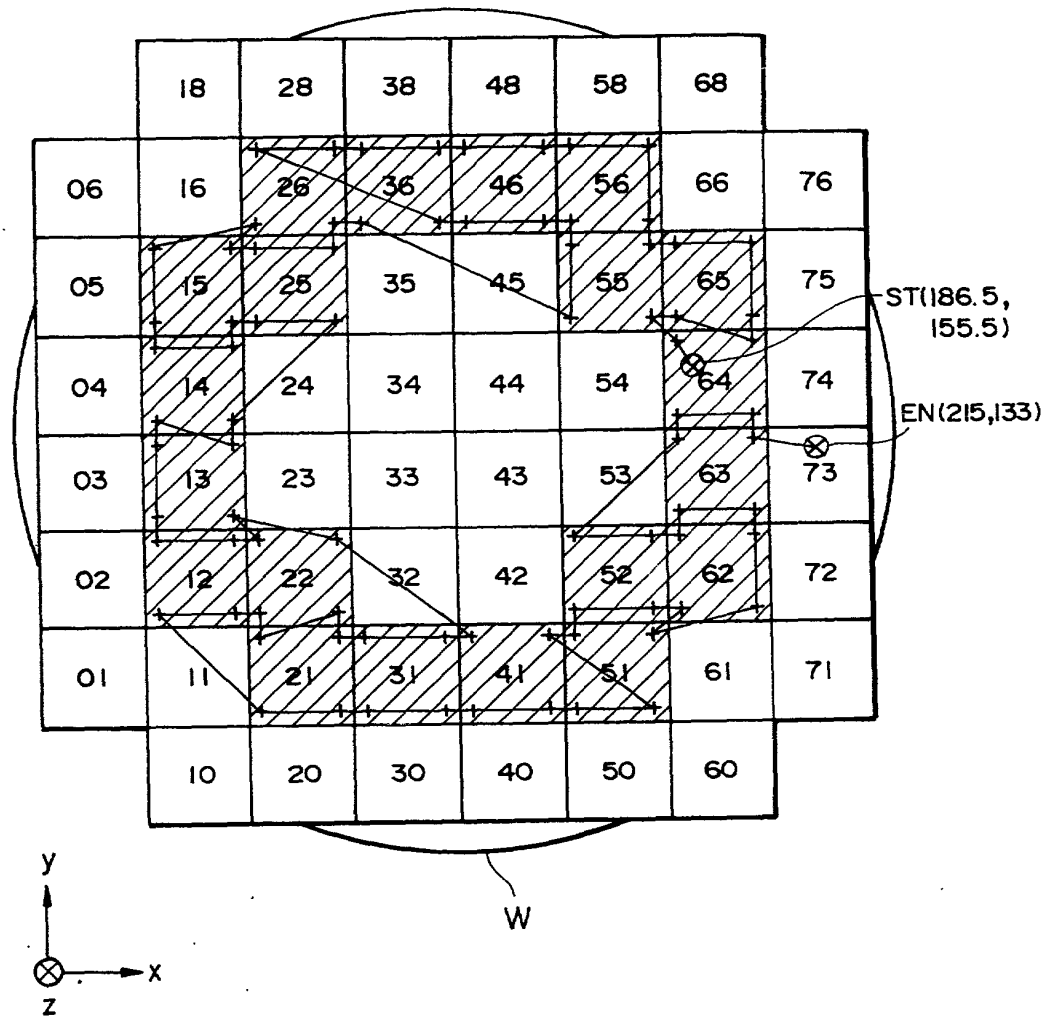


Fig.22

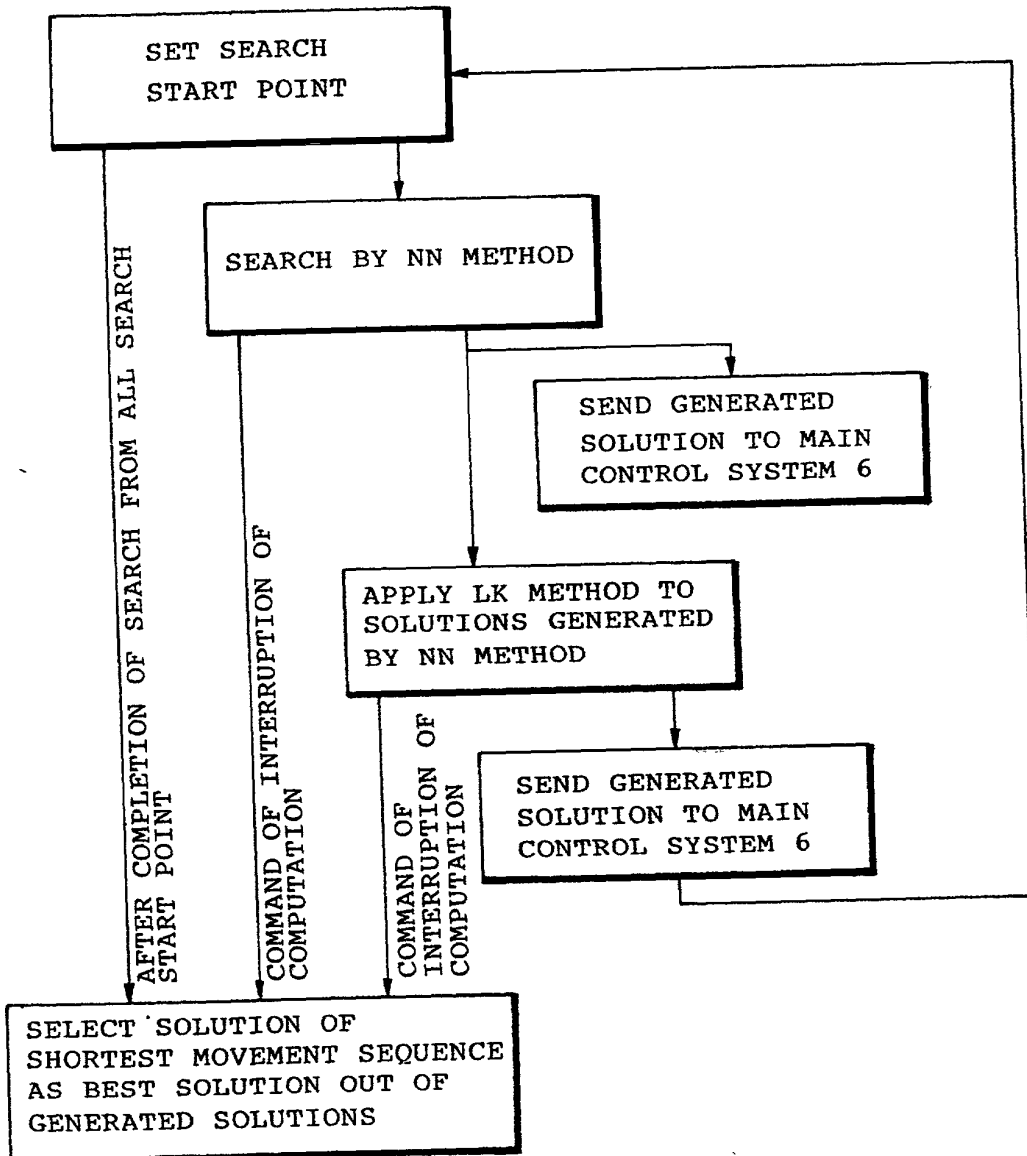


FIG. 22

Fig.23

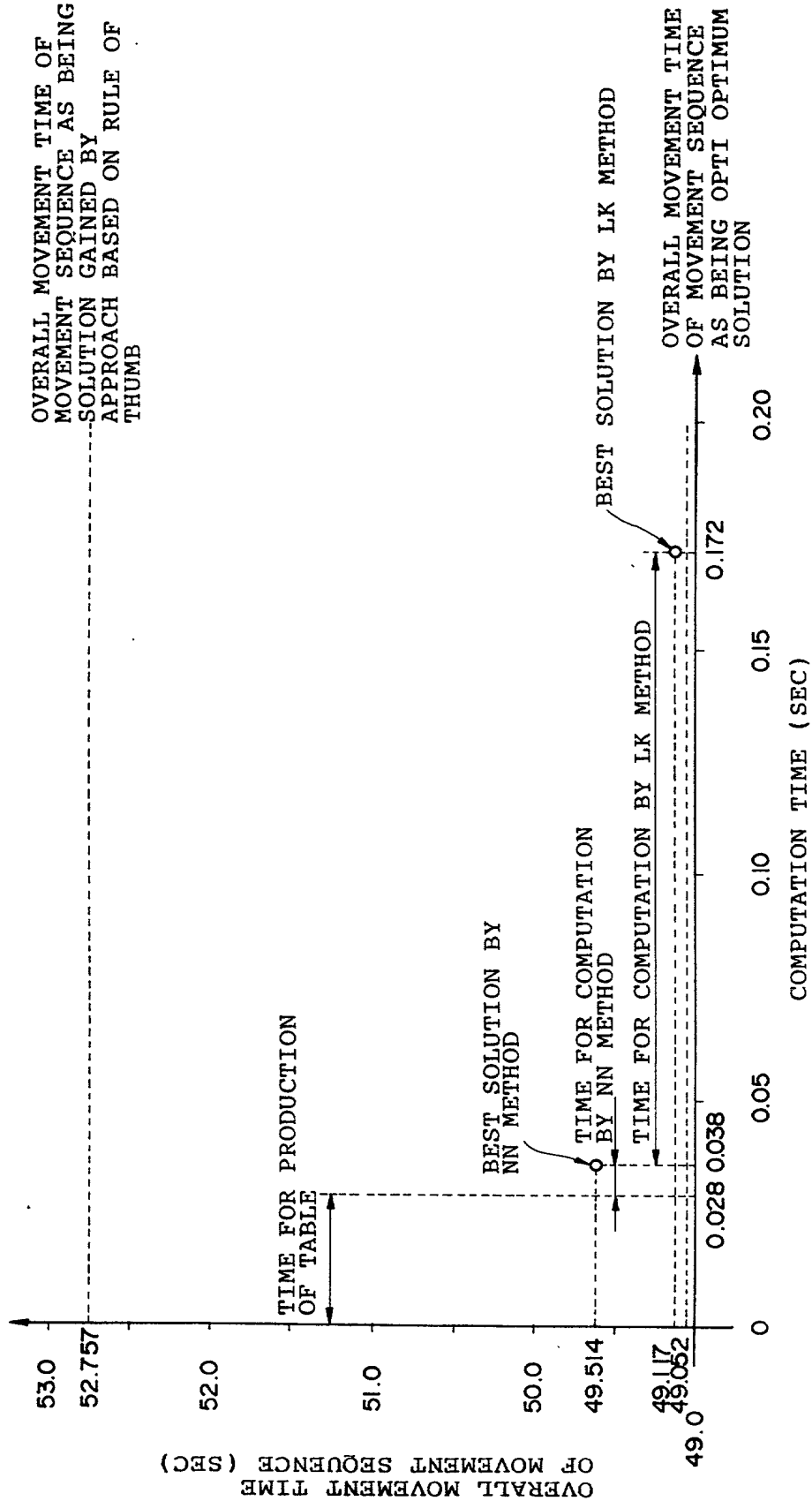


Fig.24

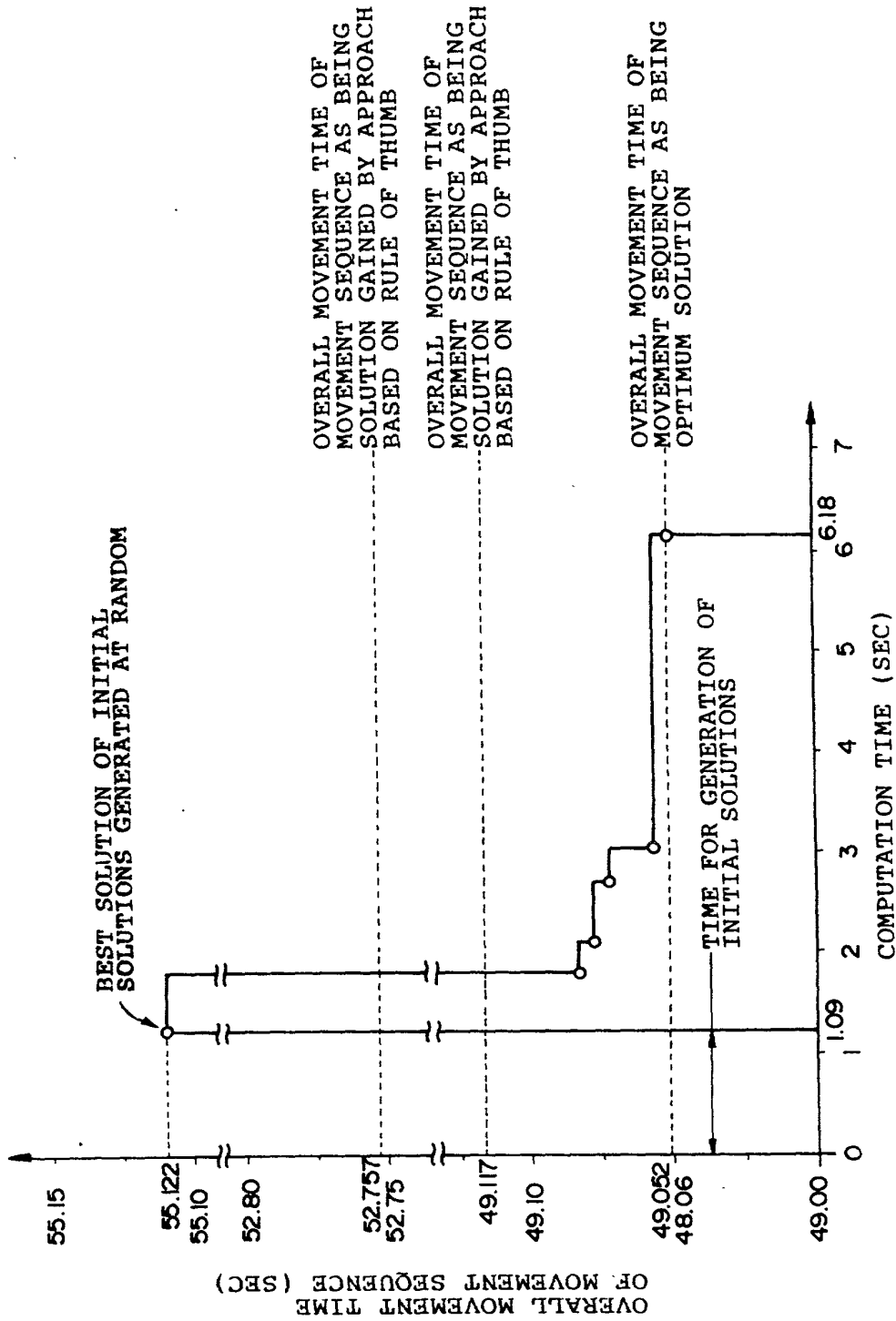


Fig.25

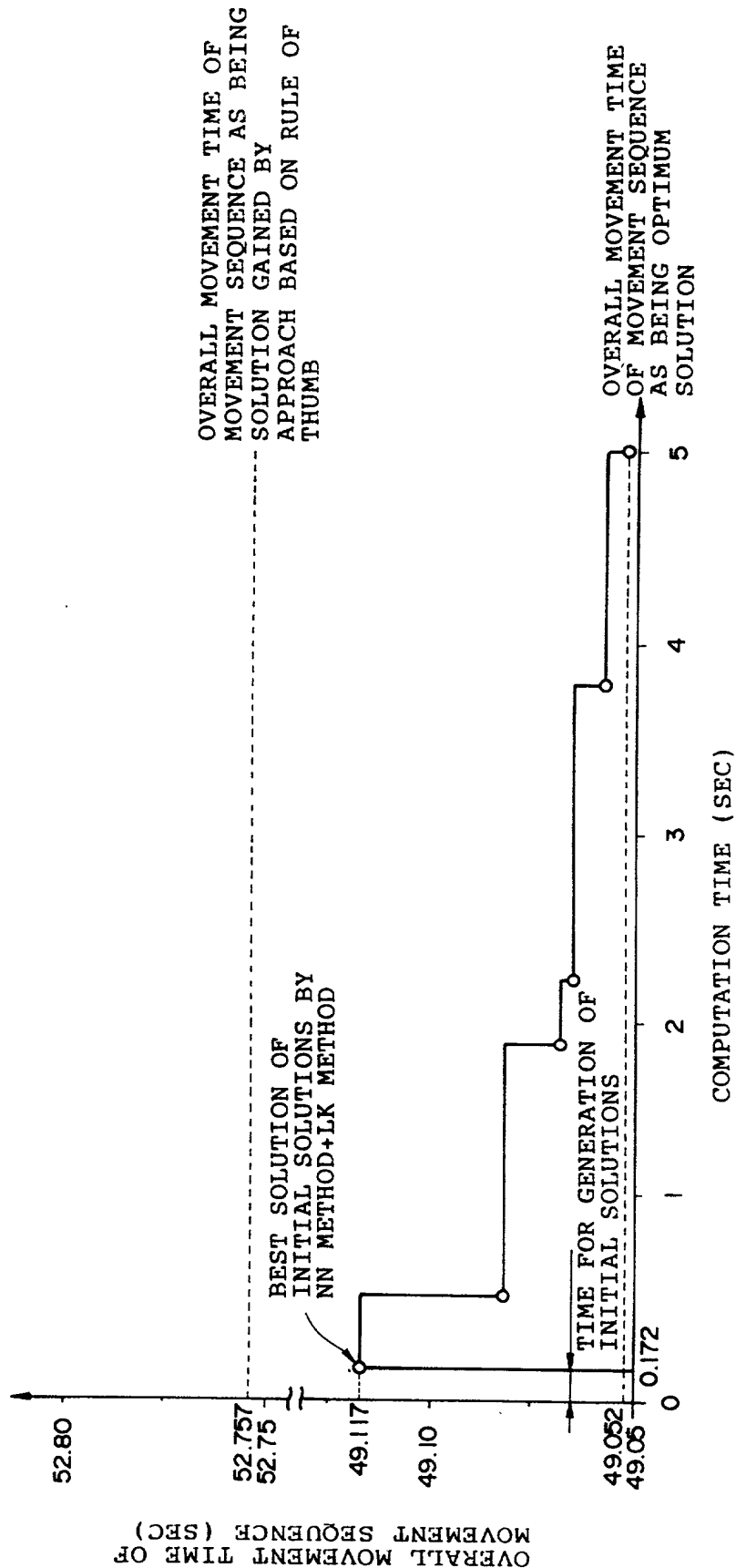


Fig.26

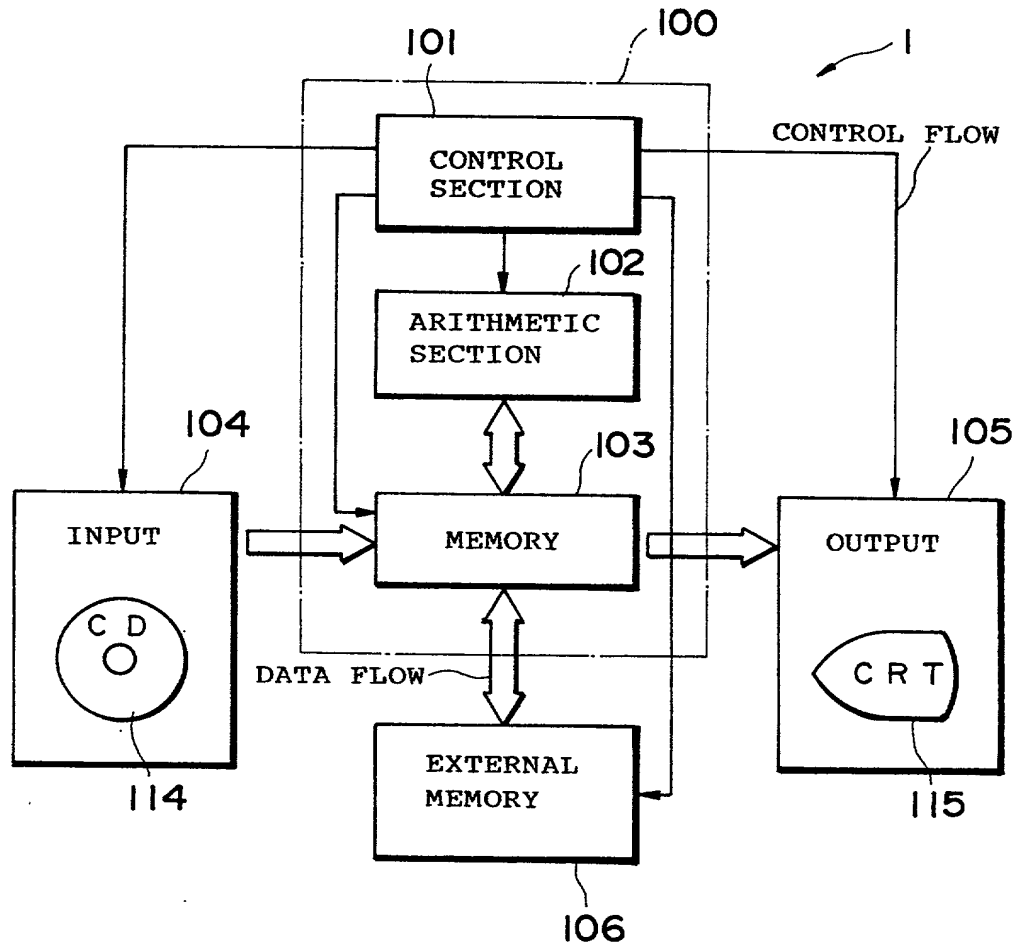


Fig. 27

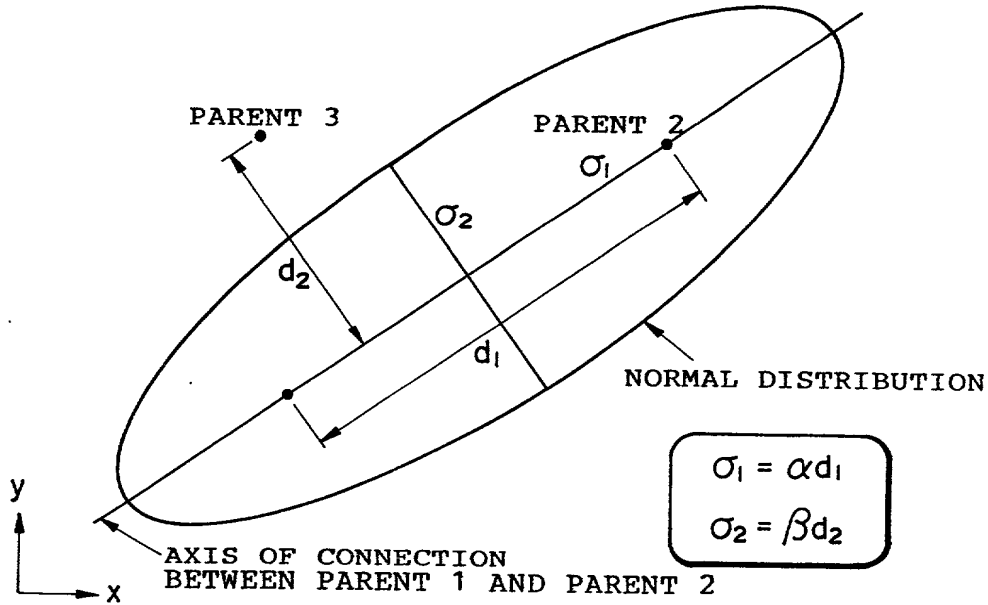


Fig. 28

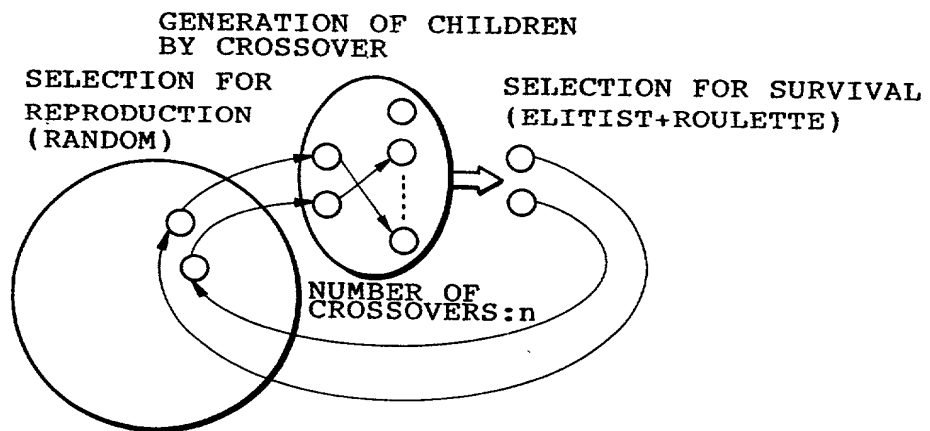


Fig.29

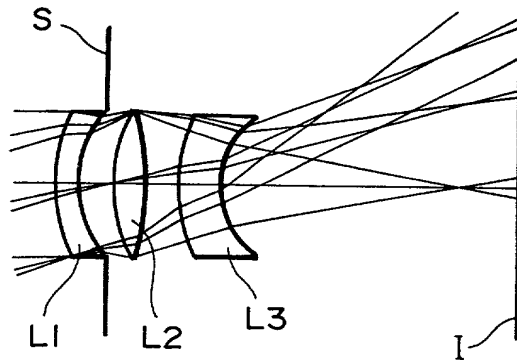


Fig.30

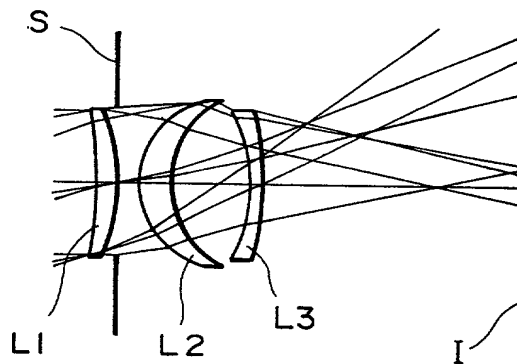


Fig.31

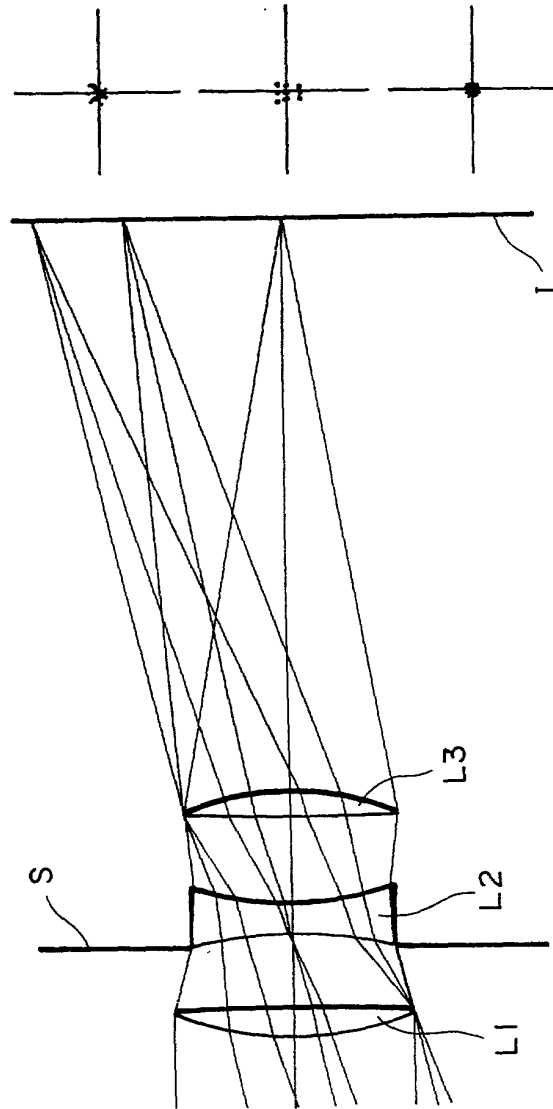


Fig.32

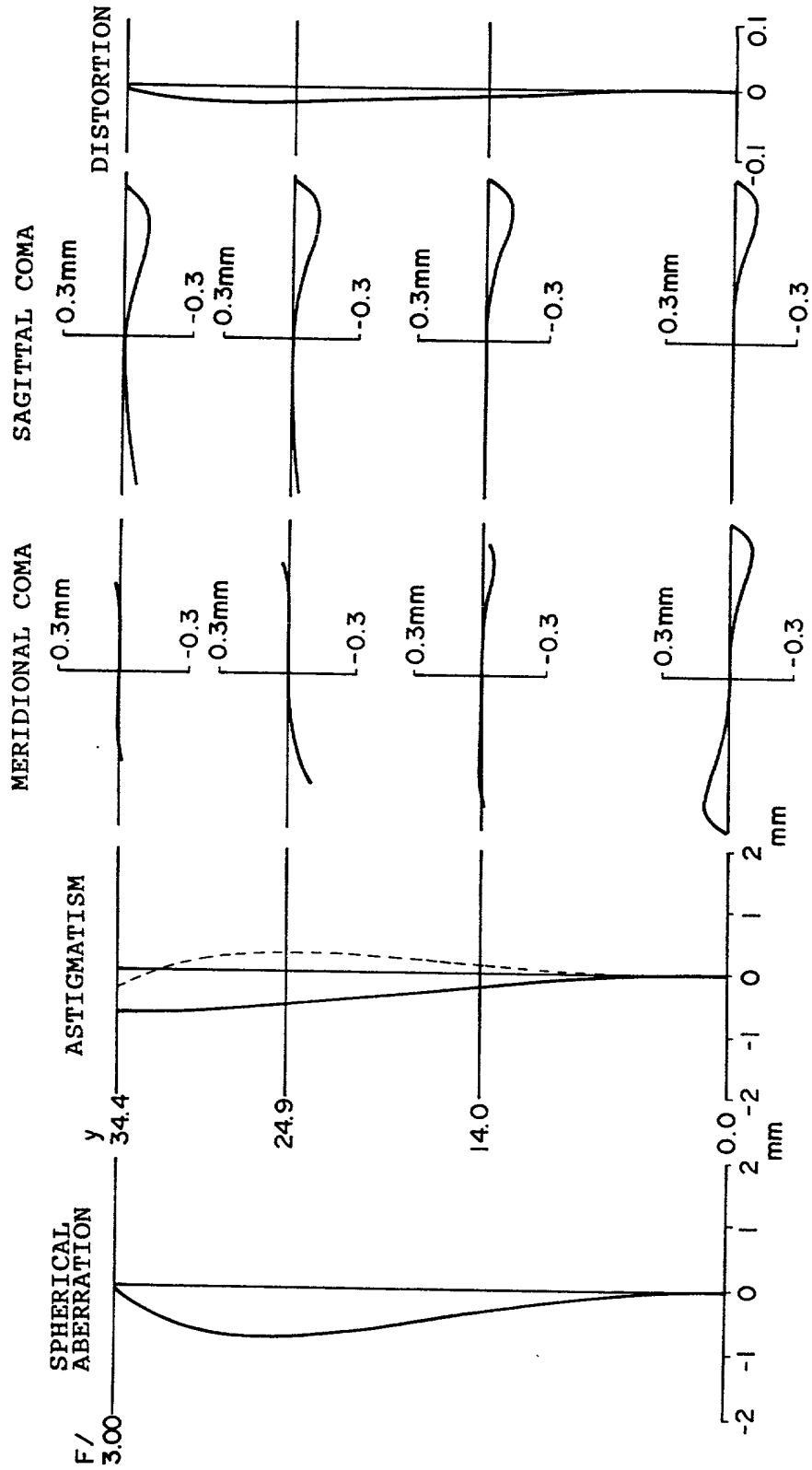


Fig. 33

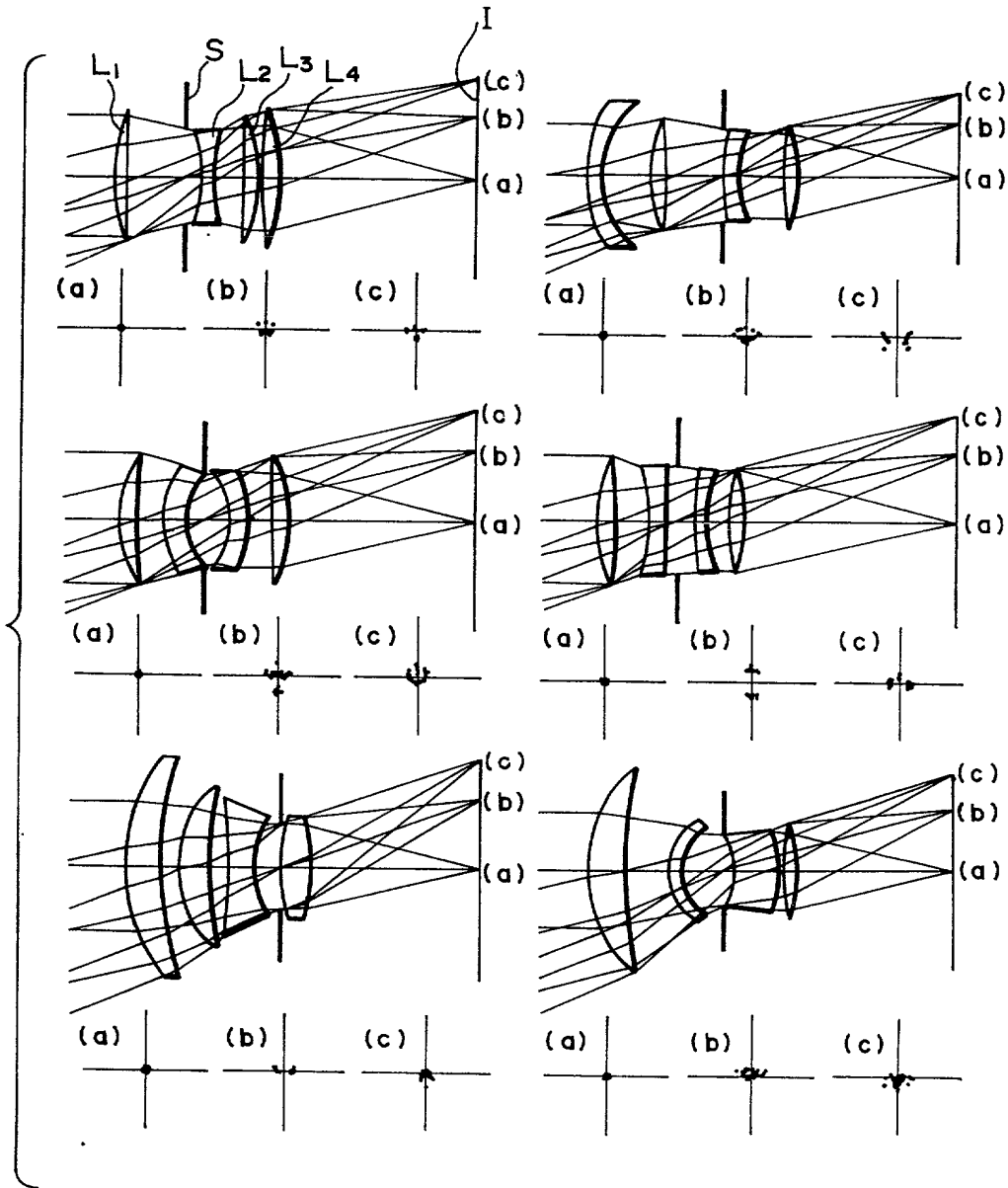


FIG. 33

Fig.34

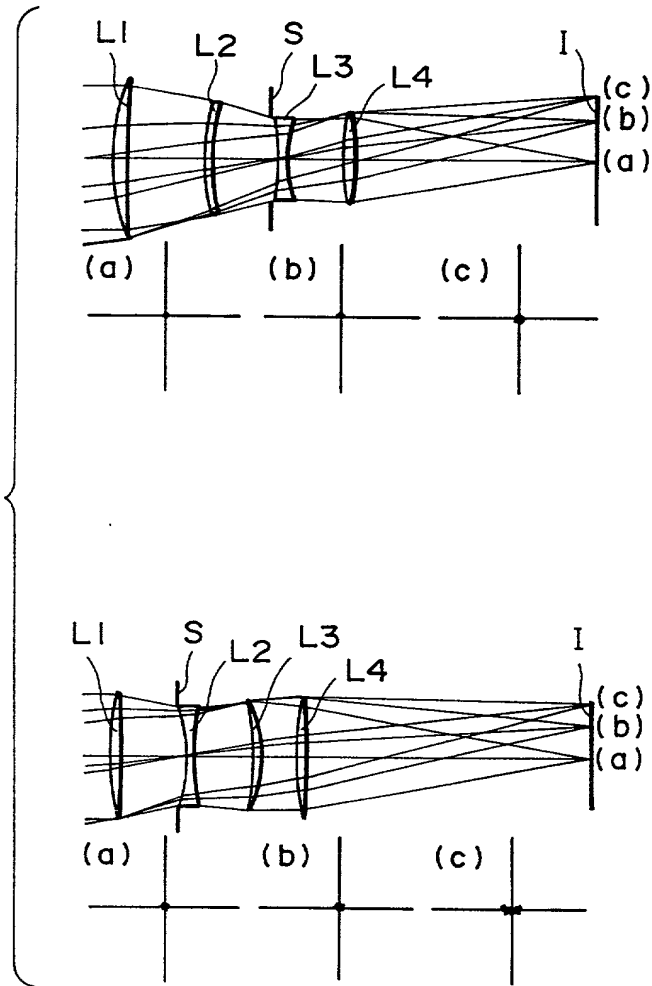


Fig. 35

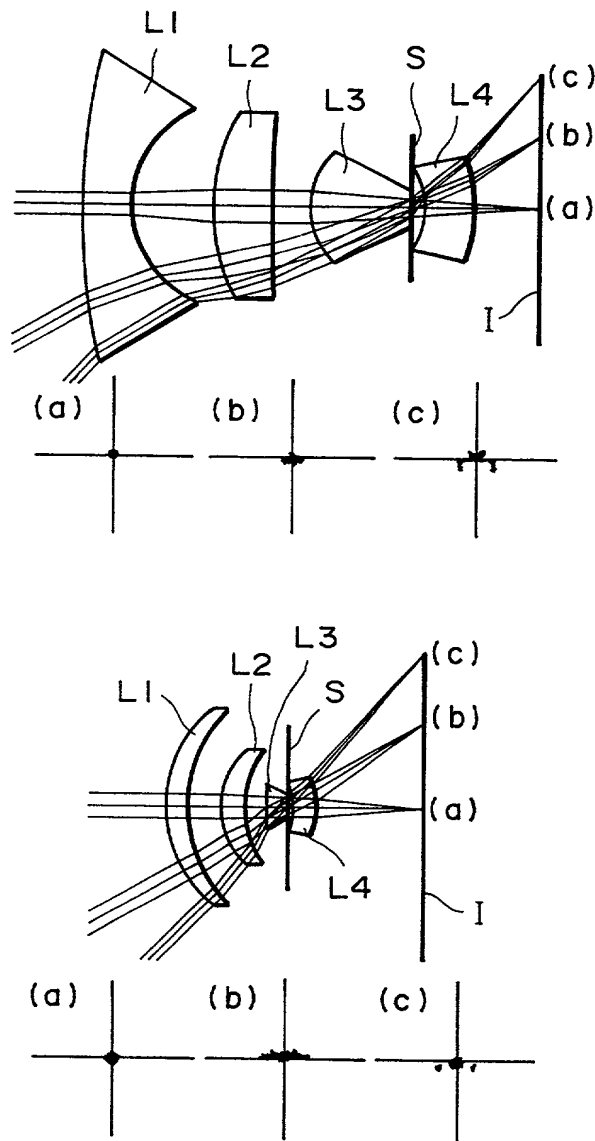


Fig. 36

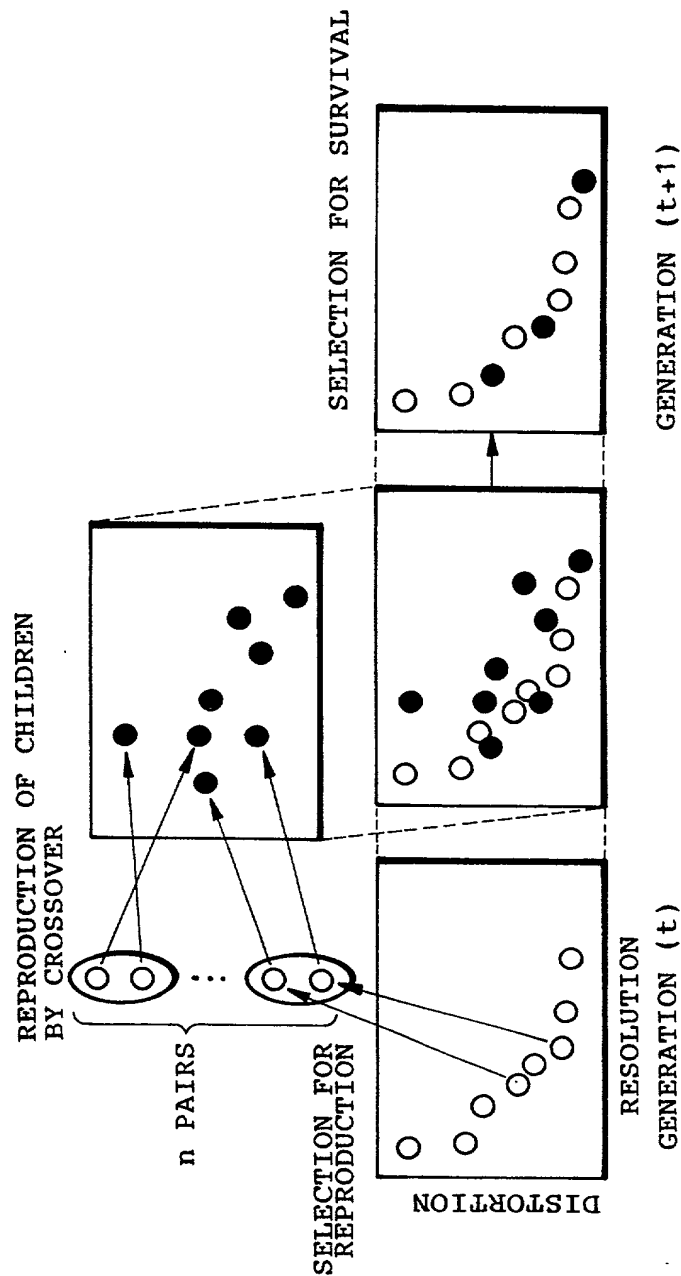


Fig. 37

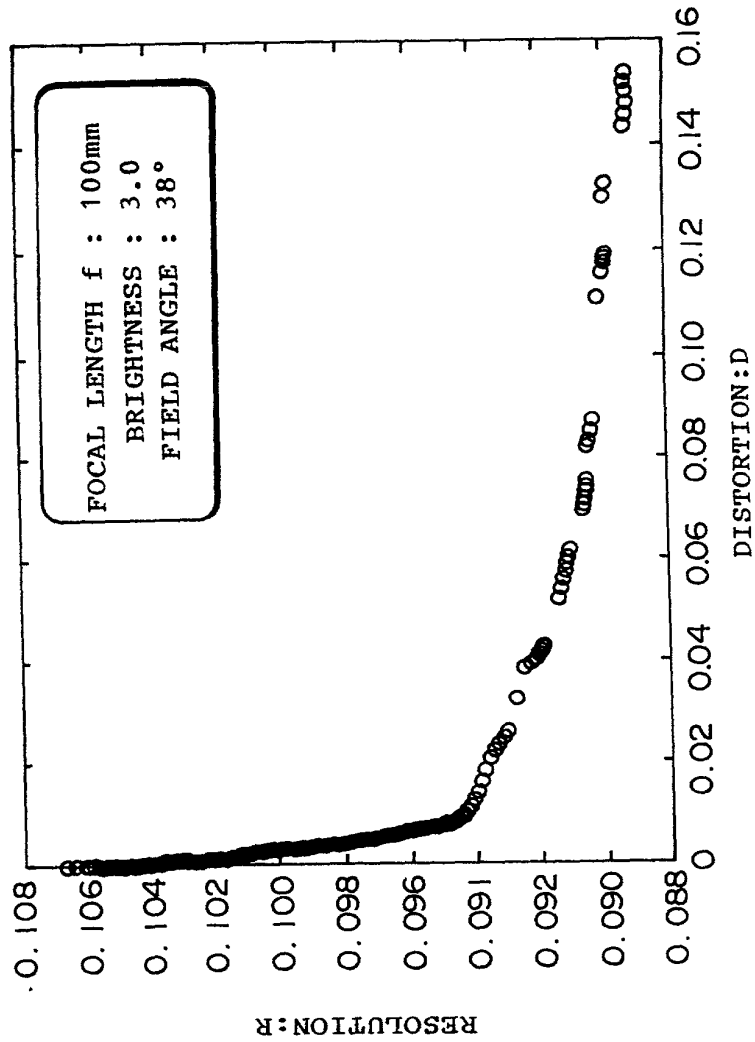


Fig. 38

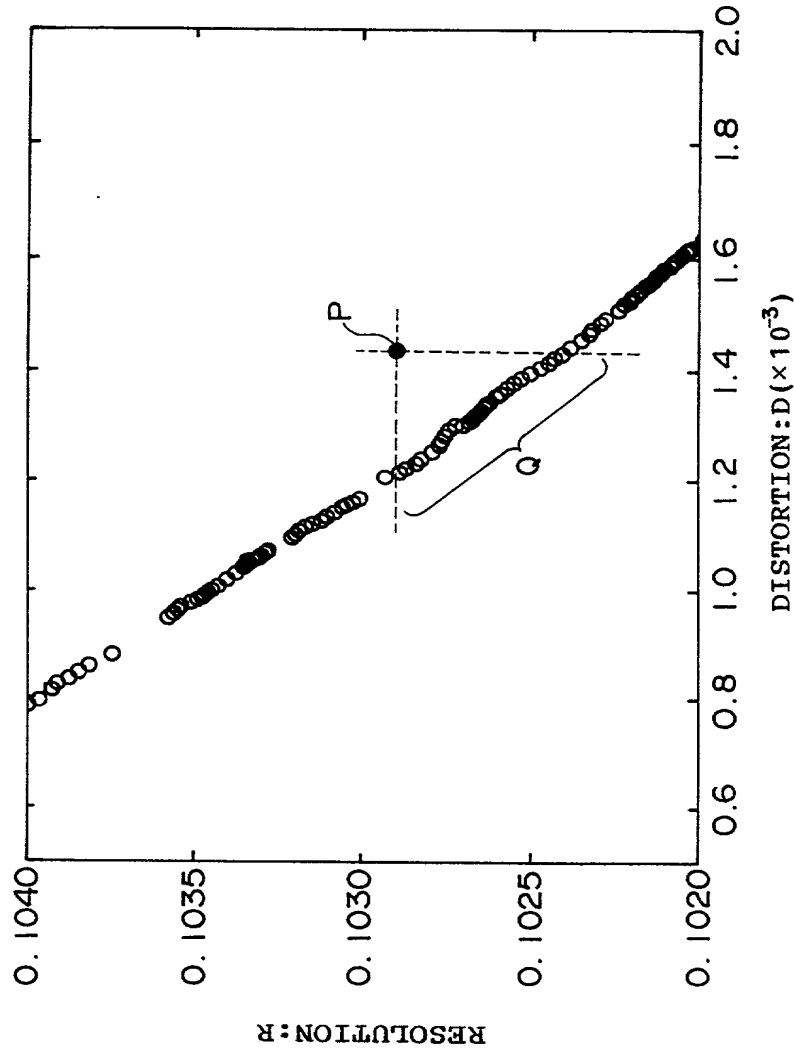


Fig. 39

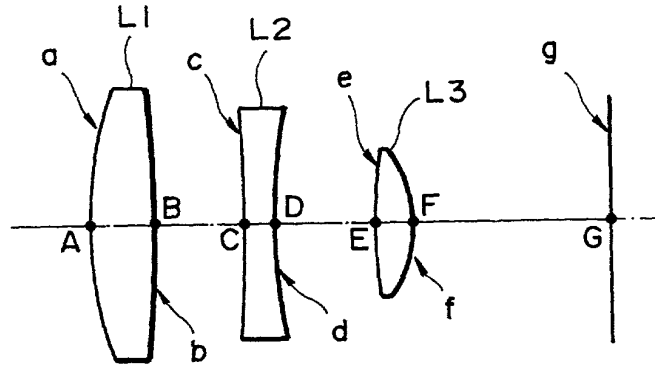


Fig. 41

GENE
REPRESENTATION:

a	b	c	d	e	d1	d2	d3	d4	d5
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Fig. 40

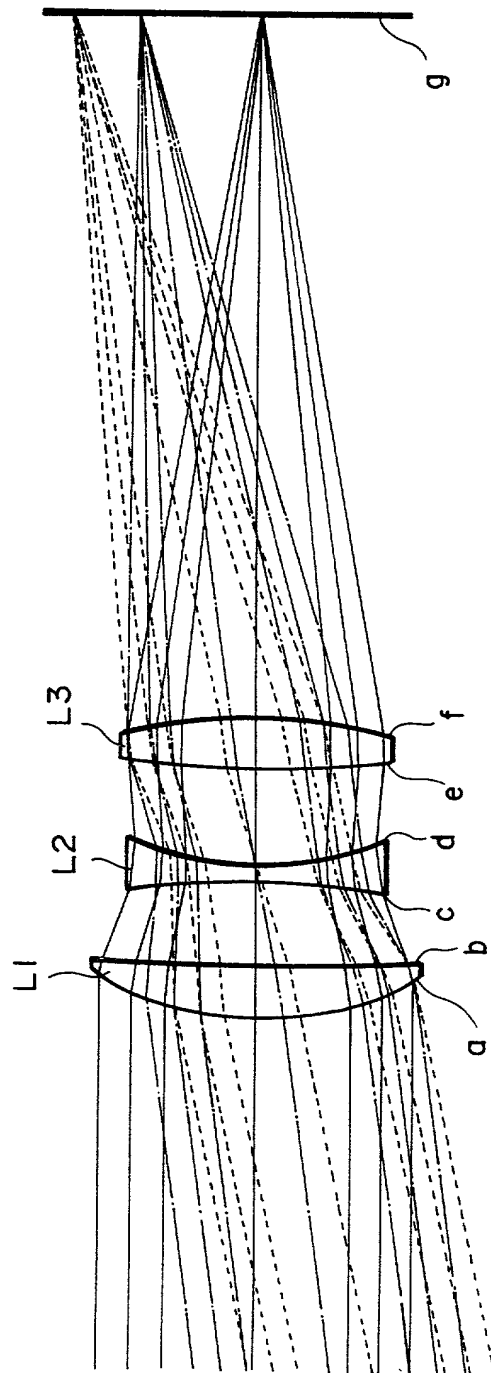


Fig. 42

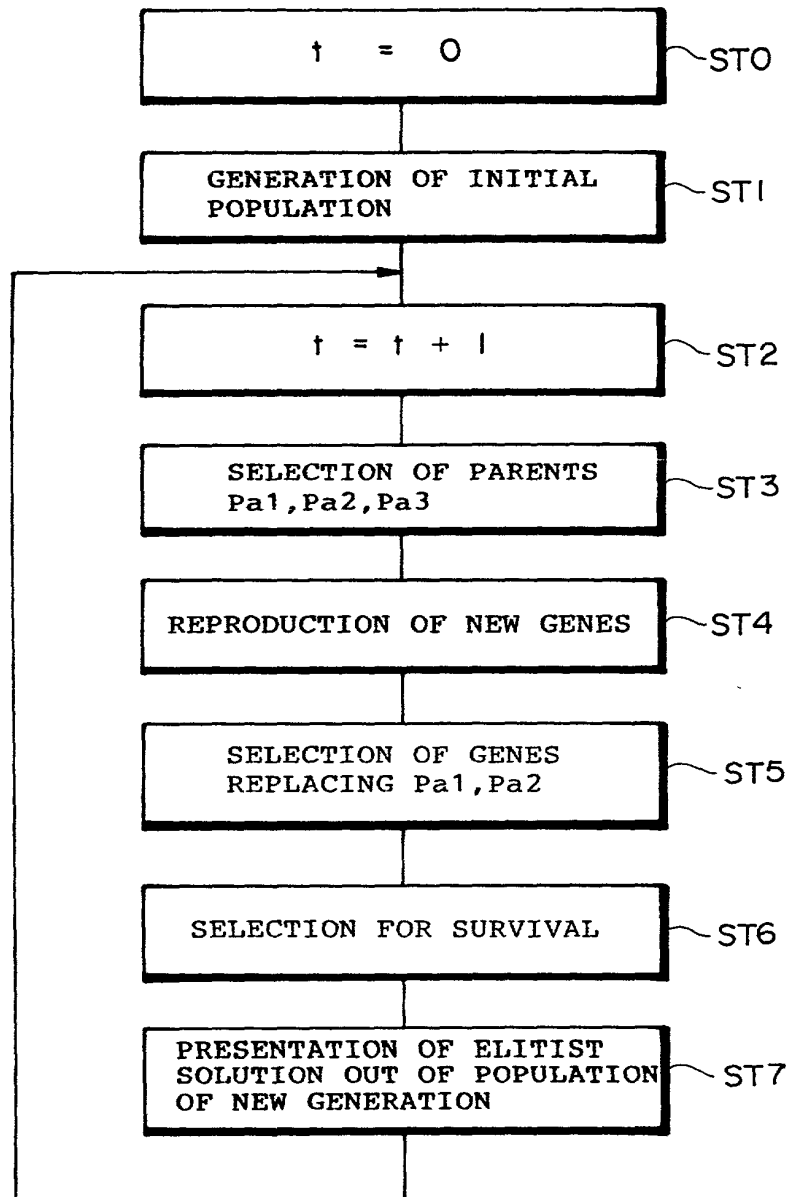


FIG. 42

Fig. 43

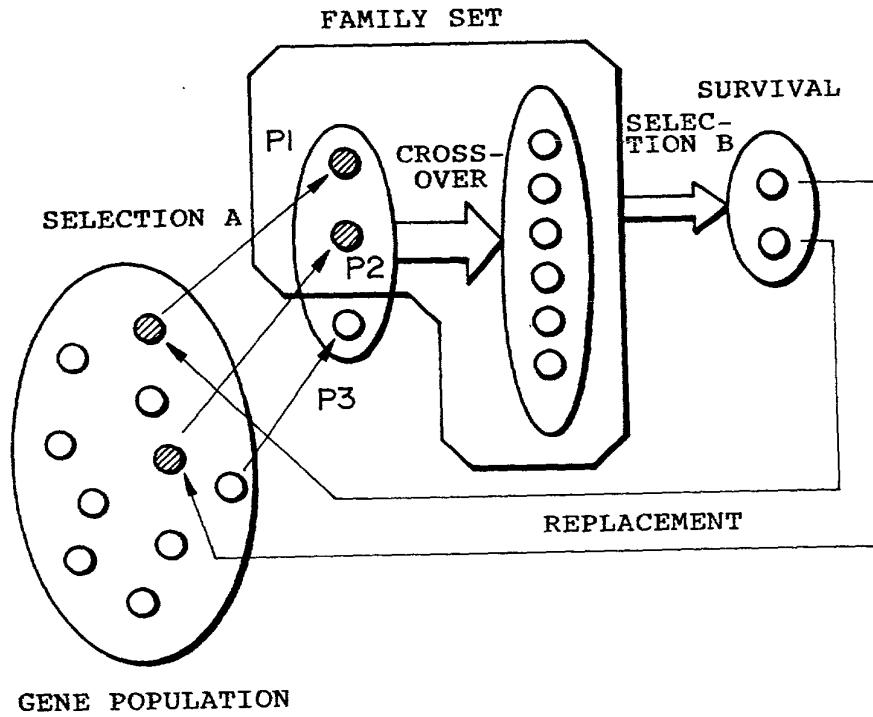


FIG. 43

Fig. 44

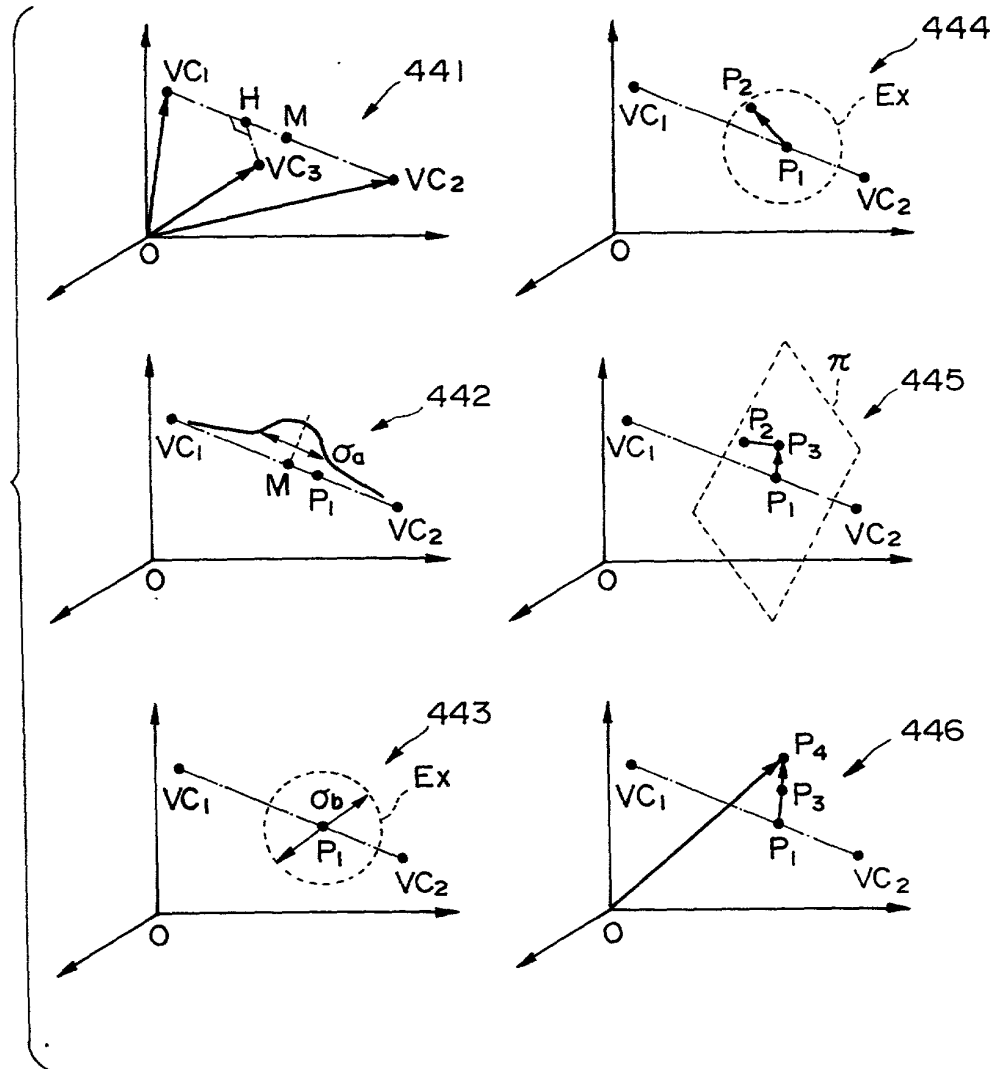
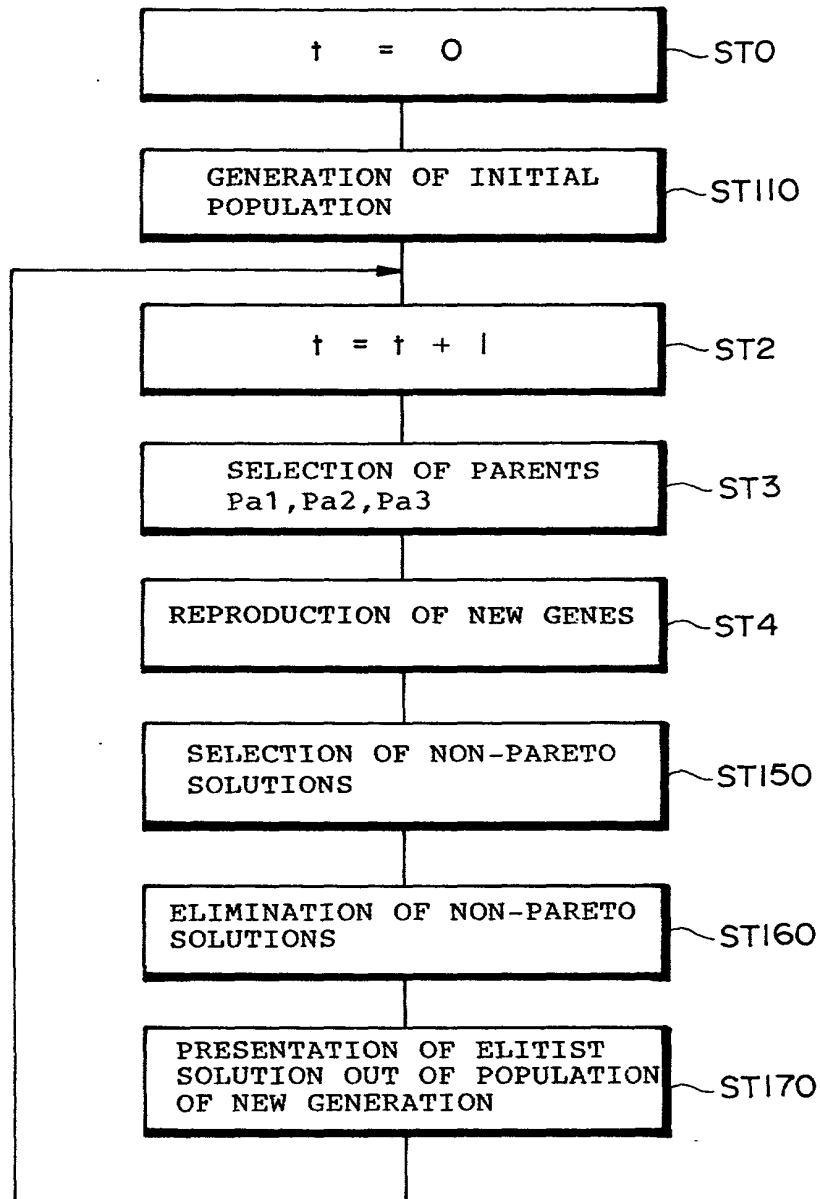
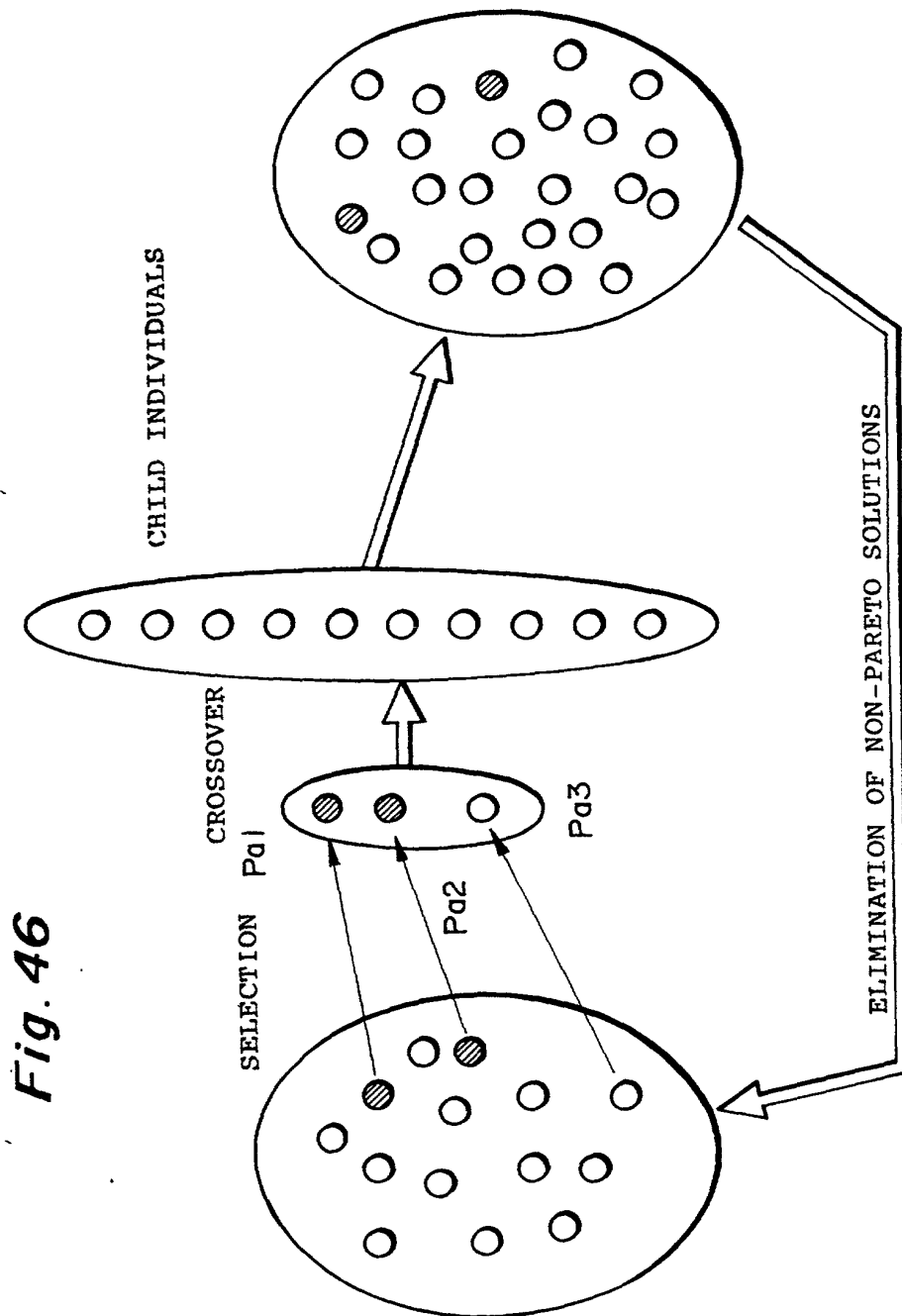


FIG. 44

Fig. 45





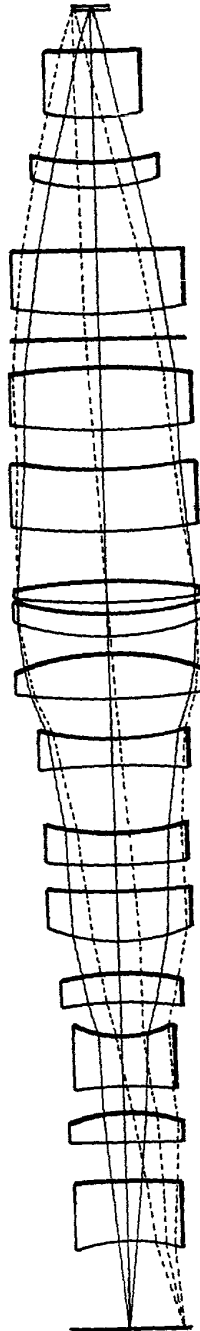


Fig. 47

Fig. 48

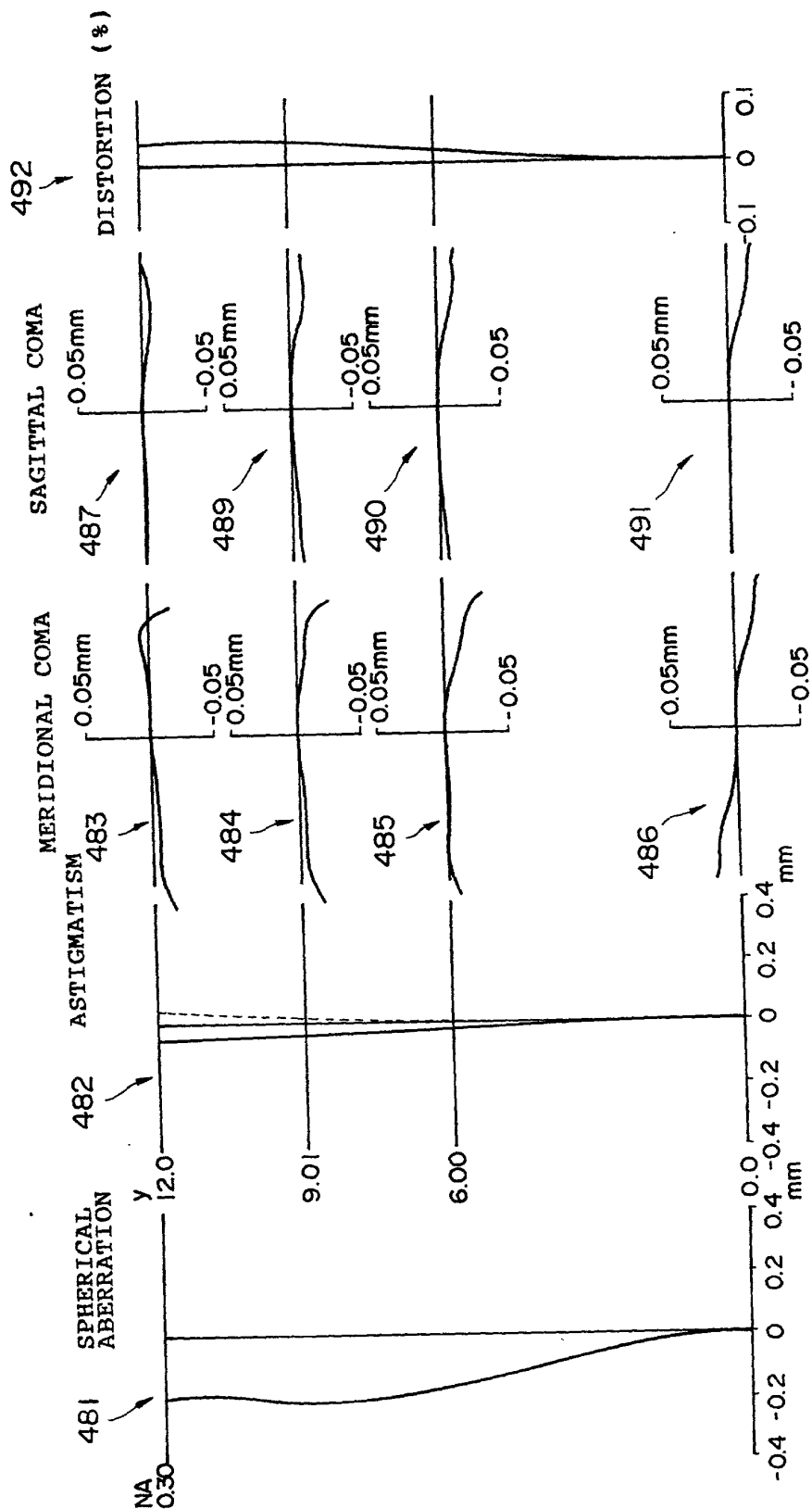


Fig. 49

